Collaborative Testing Services, Inc.

Plastics Interlaboratory Testing Program

Web Summary Report #92, 4th Qtr 2014

Analysis	Analysis Name
704	Tensile Stress at Yield, Plastic Samples
705	Tensile Stress at Break, Plastic Samples
706	Percent Elongation at Yield, Plastic Samples
708	Modulus of Elasticity, Plastic Samples
730	Tensile Stress at Yield, ISO Plastic Samples
731	Tensile Stress at Break, ISO Plastic Samples
732	Percent Strain at Yield, ISO Plastic Samples
734	Modulus of Elasticity, ISO Plastic Samples
720	Flexural Modulus
721	Flexural Stress at 5% Strain
722	Flexural Stress at Yield
736	Flexural Modulus, ISO Plastic Samples
737	Flexural Stress at 3.5% Strain
738	Flexural Stress at Yield
790	Notched Izod Impact
792	Notched Charpy Impact, ISO Plastic Samples
710	Deflection Temp. Under Flexural Load (1.82 MPa)
711	Deflection Temp. Under Flexural Load (0.455 MPa)
712	Temp. of Deflection Under Flexural Load 1.80 MPa
715	Vicat Softening Temperature (Rate A)
716	Vicat Softening Temperature (Rate B)
750	Flow Rates of Thermoplastics (2.16 kg load)

Analysis	Analysis Name
718	Specific Gravity
755	Moisture Content of Plastics
757	Ash Content in Thermoplastics
770	Tensile Stress at Yield, Film Samples
771	Tensile Stress at Break, Film Samples
772	Percent Elongation at Yield, Film Samples
773	Percent Elongation at Break, Film Samples
774	Thickness of Film Tensile Samples
775	Secant Modulus at 1% Strain
776	Secant Modulus at 2% Strain
780	Coefficient of Friction: Static
781	Coefficient of Friction: Kinetic
782	Tear Resistance of Films
785	Optical Properties of Films - Percent Haze
786	Optical Properties of Films: % Transmittance
791	Notched Izod Impact (ISO)

About CTS and the Plastics Interlaboratory Program

Founded in 1971, Collaborative Testing Services, Inc. (CTS) is a privately-owned company that specializes in interlaboratory tests for a wide variety of industries, including rubber, plastics, fasteners and metals, containerboard, paper, color and wine, as well as proficiency tests for forensic laboratories. All of the tests are designed to assist organizations in achieving and maintaining quality control objectives. Labs from the U.S., as well as more than 80 countries currently participate in CTS programs.

Collaborative Testing Services initiated the Collaborative Reference Program for PLASTICS in 1992 at the request of industry, ASTM committee D-20 members, and accrediting bodies. Additional test methods are always under review and are incorporated into the program when possible.

The program allows laboratories to compare periodically the level and uniformity of their testing with that of other participating laboratories. It also provides a realistic assessment of the state of plastics testing proficiency.

For each test there is a summary of the statistics for the analysis and a graphical representation of the data. Also shown are notes concerning specific laboratory results, as well as significant findings related to instrument types or other testing variations. Refer to the KEY FOR SUMMARY REPORT for an explanation of terms and guidelines for interpreting the results.

For further information contact:

COLLABORATIVE TESTING SERVICES, INC.
21331 Gentry Drive
Sterling, VA 20166
Phone: (571) 434-1925
FAX: (571) 434-1937
e-mail: plastics@cts-interlab.com

Office Hours: 8:00 a.m. - 4:30 p.m. ET

Key for Web Summary Report (Page 1 of 2)

WebCode — Assigned laboratory identification number (temporary) used to ensure lab confidentiality while permitting a lab to locate its data in the Plastics Web Summary Report published on the CTS web site. The WebCode for each analysis can be found in the Performance Analysis Report mailed to each participant.

Lab Mean — The average of the test results obtained by the participant.

Grand Mean — The average of the LAB MEANS for all included participants. Laboratories flagged with an X or an M (see DATA FLAG column) are excluded from the GRAND MEAN.

Difference from Grand Mean — The difference of the LAB MEAN from the GRAND MEAN.

Between-Lab Standard Deviation — An indication of the precision of measurement between the laboratories. The greater the spread of the LAB MEANS about the GRAND MEAN, the larger the BETWEEN-LAB STANDARD DEVIATION (and vice versa).

Comparative Performance Value — An indication of how well a laboratory's results agree with the other participants. The CPV is a ratio indicating the number of standard deviations from the GRAND MEAN. The closer a laboratory's COMPARATIVE PERFORMANCE VALUE is to zero, the more consistent its results are with the other participants' data (and vice versa). The critical value for each CPV will vary depending on the number of labs participating in a test.

Inst Code — A code indicating the manufacturer of the instrument used to perform the test (see separate INSTRUMENT CODE LIST for each test section) if instruments are tracked.

Data Flag — DATA FLAGS are assigned based on the simultaneous analysis of both samples tested. Refer to the following chart for an explanation of each symbol:

DATA FLAG	STATISTICALLY INCLUDED/EXCLUDED	ACTION REQUIRED
*	INCLUDED	**CAUTION** - review testing procedure and monitor future results. Results fall outside 95% ellipse but within a 99% ellipse that is calculated but not drawn.
X	EXCLUDED	**STOP** - immediate review of data and/or testing procedure is required. Results fall outside the 99% ellipse. See specific notes following each table for more information on why the data is excluded.
M	EXCLUDED	**PROCEED** - lab was unable to report data for at least one sample.

Graph - For each laboratory, the LAB MEAN for the first sample (x-axis) is plotted against the LAB MEAN for the second sample (y-axis) with each point representing a laboratory. The horizontal and vertical cross-hairs are the GRAND MEANS for each sample. When 20 or more laboratories are in the statistics, an ellipse is also drawn so that 95% of the time a randomly selected laboratory will be included inside the ellipse. Plotted data flags are explained above.

Common Problems Highlighted in Footnotes

1. ***Extreme data*** - The laboratory's results for one or both samples are so inconsistent with those of the other participants that the lab mean(s) fall outside the plot. The participant is advised to immediately review his data and/or testing procedure.

2. ***Systematic bias*** - The laboratory's results are either consistently high or low for both samples when compared to the other participants (the plotted point falls near the top or bottom of the ellipse). This indicates that the participant is performing the test with a constant bias. Causes of systematic errors include improper calibration, the particular make/model of equipment or a modification to the testing procedure.

3. ***Inconsistency in testing between samples/sample sets*** - The laboratory's results indicate that there are differences in the way the two samples tested (the plotted point falls to the side of the ellipse). This type of error may be attributed to the analyst deviating from the procedure when testing one of the samples or a material interaction occurrence with the instrument or room conditions. The inconsistency is reflected in the CPVs for the two samples, such as a +1.5 CPV for sample A and a -2.2 CPV for sample B. CTS also will specify if the laboratory's data for one sample are high/low compared to the other participants. If this inconsistency is slight, the lab's plotted point will be an * that falls on the edge of the ellipse.

4. ***Inconsistency in testing within a sample*** - The laboratory's within-lab standard deviation for a specified sample is high when compared to the other participants, often causing the lab's plotted point to fall outside of the ellipse.

Labs flagged with an * are not typically included in the footnotes of a data table. These labs may locate their position in the control ellipse and use the definitions above to help identify the type of testing error. An * should serve as a caution flag, a "yellow light", to a lab. If this error is repeated in future rounds, a lab may need to stop and review its testing procedures. The initial data flag is not cause for alarm. Interlaboratory tests conducted at regular intervals permit a lab to recognize trends in testing.

Results Summary for Web Summary Report #92

Plastics Interlaboratory Testing Program

Analysis 704 - Tensile Stress at Yield				
Material: ABS	Sample F23	7,401.78	psi	1.07% COV
	Sample F24	7,398.27	psi	1.29% COV
Analysis 705 - Tensile Stress at Break				
Material: ABS	Sample F23	5,278.11	psi	3.22% COV
	Sample F24	5,278.39	psi	3.38% COV
Analysis 706 - Percent Elongation at Yield				
Material: ABS	Sample F23	2.9758	Percent	2.86% COV
	Sample F24	2.9754	Percent	2.95% COV
Analysis 708 - Modulus of Elasticity				
Material: ABS	Sample F23	353.01	ksi	5.14% COV
	Sample F24	353.60	ksi	5.66% COV
Analysis 730 - Tensile Stress at Yield, ISO Method				
Material: ABS/PC	Sample C23	65.136	MPa	1.69% COV
	Sample C24	64.931	MPa	1.53% COV
Analysis 731 - Tensile Stress at Break, ISO Method				
Material: ABS/PC	Sample C23	47.494	MPa	2.54% COV
	Sample C24	47.494	MPa	2.08% COV
Analysis 732 - Strain at Yield, ISO Method				
Material: ABS/PC	Sample C23	3.6096	Percent	2.63% COV
	Sample C24	3.5993	Percent	2.62% COV
Analysis 734 - Modulus of Elasticity, ISO Method				
Material: ABS/PC	Sample C23	2,806.57	MPa	3.63% COV
	Sample C24	2,818.26	MPa	3.59% COV
Analysis 720 - Flexural Modulus				
Material: ABS/PC	Sample J23	420.93	ksi	4.30% COV
	Sample J24	419.76	ksi	4.37% COV
Analysis 721 - Flexural Stress at 5% Strain				
Material: ABS/PC	Sample J23	14,668.46	psi	3.34% COV
	Sample J24	14,641.08	psi	3.32% COV
Analysis 722 - Flexural Stress at Yield				
Material: ABS/PC	Sample J23	14,708.04	psi	3.49% COV
	Sample J24	14,667.37	psi	3.50% COV
Analysis 736 - Flexural Modulus				
Material: ABS/PC	Sample K23	2,828.43	MPa	3.56% COV
	Sample K24	2,829.40	MPa	3.50% COV
Analysis 737 - Flexural Stress at 3.5% Strain				
Material: ABS/PC	Sample K23	89.956	MPa	2.77% COV
	Sample K24	89.976	MPa	2.76% COV

Results Summary for Web Summary Report #92

Plastics Interlaboratory Testing Program

Analysis 738 - Flexural Stress at Yield				
Material: ABS/PC	Sample K23	97.748	MPa	2.99% COV
	Sample K24	98.015	MPa	2.91% COV
Analysis 790 - Notched Izod Impact				
Material: HIPS	Sample S23	2.9754	ft.lbf/in	11.6% COV
	Sample S24	2.9690	ft.lbf/in	11.7% COV
Analysis 792 - Notched Charpy Impact				
Material: ABS/PC	Sample M23	20.079	kJ/m^2	14.5% COV
	Sample M24	20.190	kJ/m^2	15.4% COV
Analysis 710 - Deflection Temp. Under Flexural Load (1.82 MPa)				
Material: ABS/PC	Sample E23	77.875	Degrees C	1.26% COV
	Sample E24	78.169	Degrees C	1.64% COV
Analysis 711 - Deflection Temp. Under Flexural Load (0.455 MPa)				
Material: PP	Sample G23	77.066	Degrees C	3.03% COV
	Sample G24	76.849	Degrees C	3.49% COV
Analysis 712 - Temperature of Deflection (1.80 MPa)				
Material: HIPS	Sample N23	79.551	Degrees C	1.68% COV
	Sample N24	78.767	Degrees C	1.74% COV
Analysis 715 - Vicat Temperature (Rate A)				
Material: ABS/PC	Sample H23	99.837	Degrees C	0.608% COV
	Sample H24	99.880	Degrees C	0.589% COV
Analysis 716 - Vicat Temperature (Rate B)				
Material: ABS/PC	Sample R23	101.75	Degrees C	0.726% COV
	Sample R24	101.86	Degrees C	0.799% COV
Analysis 750 - Flow Rate (190C or 230C/2.16 kg)				
Material: PP	Sample X23	2.8389	grams/10 mins	5.97% COV
	Sample X24	4.9265	grams/10 mins	7.14% COV
Analysis 718 - Specific Gravity				
Material: ABS/PC	Sample T23	1.1822	sp gr 23/23 C	0.179% COV
	Sample T24	1.1823	sp gr 23/23 C	0.188% COV
Analysis 757 - Ash Content				
Material: PP	Sample L23	21.547	Percent	0.715% COV
	Sample L24	21.567	Percent	0.690% COV
Analysis 770 - Tensile Stress at Yield, Films				
Material: LDPE	Sample B23	1,699.44	psi	11.0% COV
	Sample B24	1,690.32	psi	10.7% COV
Analysis 771 - Tensile Stress at Break, Films				
Material: LDPE	Sample B23	3,139.75	psi	9.50% COV
	Sample B24	3,218.80	psi	8.95% COV

Results Summary for Web Summary Report #92

Plastics Interlaboratory Testing Program

Analysis 772 - Elongation at Yield, Films				
Material: LDPE	Sample B23	28.753	Percent	71.1% COV
	Sample B24	29.936	Percent	77.0% COV
Analysis 773 - Elongation at Break, Films				
Material: LDPE	Sample B23	701.66	Percent	17.6% COV
	Sample B24	701.85	Percent	18.4% COV
Analysis 774 - Thickness of Film Specimens				
Material: LDPE	Sample B23	4.2712	mils	4.04% COV
	Sample B24	4.1612	mils	3.40% COV
Analysis 775 - Secant Modulus at 1% Strain				
Material: LDPE	Sample B23	33,066.09	psi	11.3% COV
	Sample B24	32,611.75	psi	10.9% COV
Analysis 776 - Secant Modulus at 2% Strain				
Material: LDPE	Sample B23	27,836.29	psi	8.86% COV
	Sample B24	27,569.60	psi	8.69% COV
Analysis 780 - Static Friction				
Material: LDPE	Sample P23	0.11956	COF	30.6% COV
	Sample P24	0.12003	COF	29.9% COV
Analysis 781 - Kinetic Friction				
Material: LDPE	Sample P23	0.08593	COF	32.4% COV
	Sample P24	0.08619	COF	29.2% COV
Analysis 782 - Tear Resistance of Film				
Material: LDPE	Sample Q23	350.94	grams-force	10.4% COV
	Sample Q24	389.04	grams-force	9.43% COV
Analysis 785 - Percent Haze				
Material: LDPE	Sample D23	16.846	Percent	4.78% COV
	Sample D24	15.095	Percent	5.28% COV
Analysis 786 - Total Transmittance				
Material: LDPE	Sample D23	92.140	Percent	1.02% COV
	Sample D24	92.069	Percent	0.963% COV
Analysis 755 - Moisture Content				
Material: ABS	Sample Y23	0.23756	Percent	10.8% COV
	Sample Y24	0.26174	Percent	11.9% COV

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

		Sample F23			Sample F24		
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
22V8CH	X	6,854.2	-547.6	-6.92	6,860.4	-537.9	-5.65
2666GX		7,426.8	25.0	0.32	7,455.4	57.1	0.60
2JEWVP		7,408.6	6.8	0.09	7,428.9	30.6	0.32
3DAUY2		7,437.6	35.8	0.45	7,349.4	-48.9	-0.51
3HP4K6		7,260.8	-141.0	-1.78	7,216.0	-182.3	-1.91
3VTE77		7,400.0	-1.8	-0.02	7,501.6	103.3	1.08
4JV36C		7,347.9	-53.9	-0.68	7,265.1	-133.2	-1.40
6R89M2		7,400.9	-0.8	-0.01	7,481.2	83.0	0.87
6YDGFA		7,414.4	12.6	0.16	7,402.8	4.5	0.05
78ZEEV		7,564.6	162.8	2.06	7,588.0	189.7	1.99
78ZG4Z		7,333.8	-68.0	-0.86	7,323.2	-75.1	-0.79
8LKFC8		7,501.2	99.4	1.26	7,529.8	131.6	1.38
93EBKV		7,455.0	53.2	0.67	7,484.0	85.7	0.90
9A4ADB		7,489.0	87.2	1.10	7,438.8	40.5	0.43
9NL343	*	7,295.5	-106.3	-1.34	7,428.9	30.6	0.32
9QK4FY		7,382.0	-19.8	-0.25	7,394.0	-4.3	-0.05
B9UTQ3		7,377.0	-24.8	-0.31	7,395.0	-3.3	-0.03
BRHBP2		7,336.8	-65.0	-0.82	7,344.0	-54.3	-0.57
BV9FER		7,336.4	-65.4	-0.83	7,247.9	-150.4	-1.58
BY8WP2		7,426.8	25.0	0.32	7,400.8	2.5	0.03
CU4C4B		7,368.0	-33.8	-0.43	7,354.1	-44.2	-0.46
CU4ETF		7,339.0	-62.8	-0.79	7,397.0	-1.3	-0.01
DR7HJC		7,508.6	106.8	1.35	7,483.4	85.1	0.89
ETUN7F	X	7,714.3	312.5	3.95	7,712.6	314.4	3.30
FHTBW8		7,296.4	-105.4	-1.33	7,262.6	-135.7	-1.42
FP63PR		7,555.7	153.9	1.95	7,555.7	157.4	1.65
FQAMA9		7,397.8	-4.0	-0.05	7,359.6	-38.7	-0.41
FXT3N4	*	7,496.2	94.4	1.19	7,330.2	-68.1	-0.71
GGK9U9	*	7,332.0	-69.8	-0.88	7,179.7	-218.5	-2.29
GKXBG6		7,455.2	53.4	0.68	7,482.6	84.3	0.89
HEKZT3		7,466.6	64.8	0.82	7,515.9	117.7	1.23
HK9KX4		7,446.6	44.8	0.57	7,392.6	-5.6	-0.06

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

WebCode	Data Flag	Sample F23 Lab Mean	Sample F23 Diff from Grand Mean	Sample F23 CPV	Sample F24 Lab Mean	Sample F24 Diff from Grand Mean	Sample F24 CPV
JKGNDT		7,292.8	-109.0	-1.38	7,379.4	-18.9	-0.20
JKGTYH		7,285.0	-116.8	-1.48	7,268.0	-130.3	-1.37
JWKACY		7,349.0	-52.8	-0.67	7,371.4	-26.9	-0.28
JZKBKA		7,451.4	49.6	0.63	7,439.0	40.7	0.43
K34UU6		7,441.6	39.8	0.50	7,459.8	61.5	0.65
L9DDWH		7,432.5	30.7	0.39	7,383.2	-15.1	-0.16
LZBD39		7,368.2	-33.6	-0.42	7,356.2	-42.1	-0.44
MAZ9YG	X	7,115.6	-286.2	-3.62	7,280.4	-117.9	-1.24
MHQRA7	*	7,584.2	182.4	2.31	7,652.8	254.5	2.67
MJCCEF		7,361.0	-40.8	-0.52	7,367.4	-30.9	-0.32
MLJUBQ		7,464.6	62.8	0.79	7,404.4	6.1	0.06
P8QVA2		7,264.0	-137.8	-1.74	7,253.8	-144.5	-1.52
PJTTPK		7,415.6	13.8	0.17	7,398.1	-0.1	0.00
PW3Z9Z		7,488.9	87.1	1.10	7,440.7	42.4	0.45
PWKARD		7,430.6	28.8	0.36	7,418.4	20.1	0.21
QC9T8M		7,488.0	86.2	1.09	7,492.0	93.7	0.98
RFVMVE		7,506.2	104.4	1.32	7,541.2	142.9	1.50
RNWVLE		7,291.0	-110.8	-1.40	7,286.2	-112.1	-1.18
RNXBYX		7,404.5	2.8	0.03	7,406.0	7.7	0.08
TA6JDA		7,312.3	-89.5	-1.13	7,260.4	-137.9	-1.45
URBQJA		7,303.0	-98.8	-1.25	7,247.2	-151.1	-1.59
UXZ9XK		7,311.6	-90.2	-1.14	7,304.6	-93.7	-0.98
VCEQDR		7,371.6	-30.2	-0.38	7,373.2	-25.1	-0.26
VCJV9G		7,292.8	-109.0	-1.38	7,389.8	-8.5	-0.09
VLRLWD		7,456.6	54.8	0.69	7,464.0	65.7	0.69
VPGBKX	X	11,284.0	3,882.3	49.08	11,281.1	3,882.9	40.75
WDRH6N	X	7,047.3	-354.5	-4.48	7,120.5	-277.8	-2.92
XH29ZF		7,403.4	1.6	0.02	7,412.1	13.8	0.14
XVPC46	X	7,101.4	-300.4	-3.80	7,285.3	-113.0	-1.19
YL9BXH		7,440.4	38.6	0.49	7,441.0	42.7	0.45
YWMEYL		7,486.9	85.1	1.08	7,475.3	77.0	0.81
ZQ9PG4		7,348.5	-53.2	-0.67	7,426.0	27.7	0.29

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

Summary Statistics

Grand Means		
	7,401.78 psi	7,398.27 psi
Stnd Dev Btwn Labs		
	79.11 psi	95.27 psi

Statistics based on 58 of 64 reporting participants

Sample F23: ABS & Sample F24: ABS

Comments on assigned Data Flags for Test #704

22V8CH (X) - Data for both samples are low.

ETUN7F (X) - Data for both samples are high.

MAZ9YG (X) - Low data for Sample F23. Also Inconsistent in testing within Sample F23.

VPGBKX (X) - Data for both samples are high.

WDRH6N (X) - Data for both samples are low.

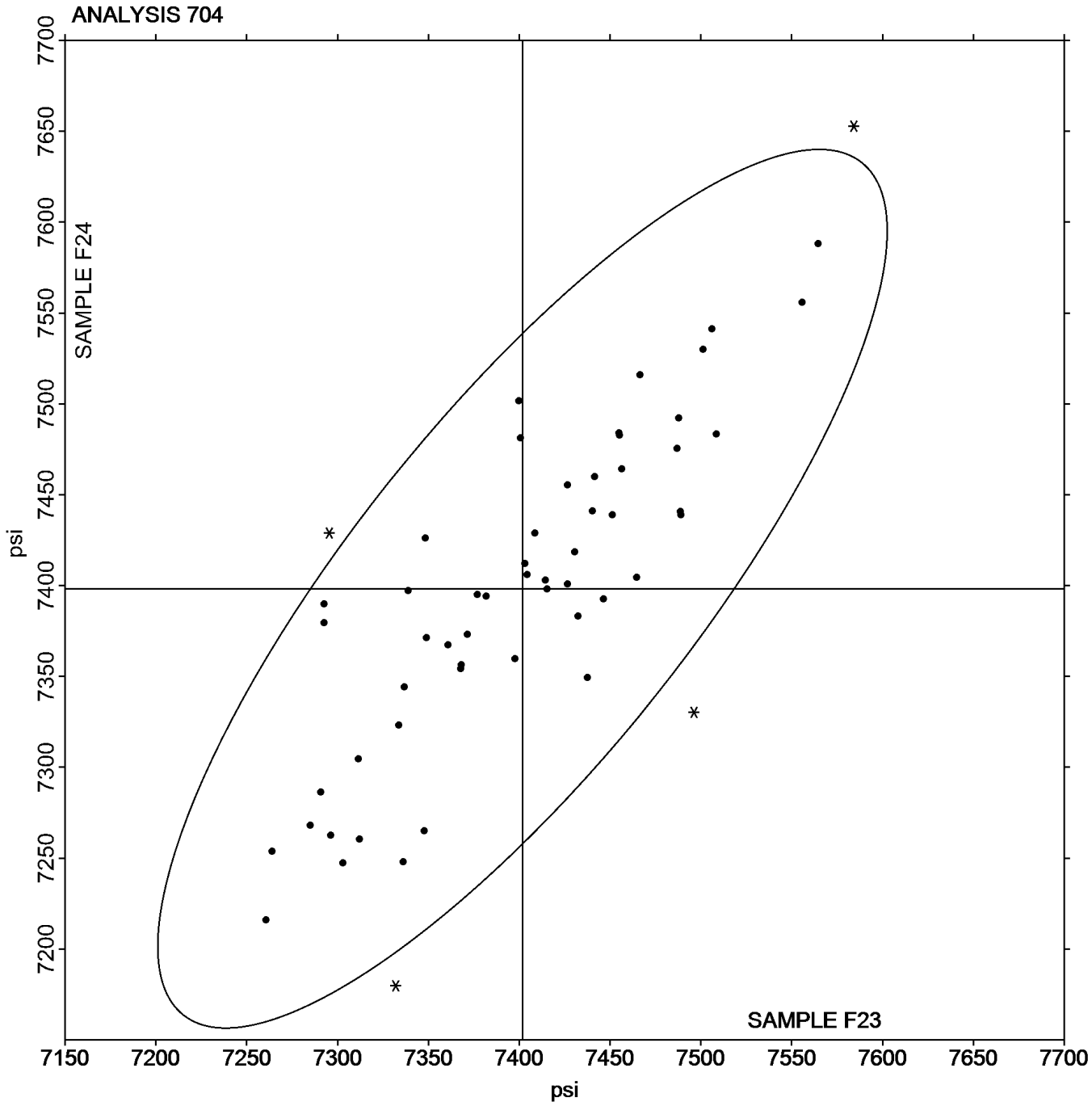
XVPC46 (X) - Low data for Sample F23. Also Inconsistent in testing within Sample F23.

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

Grand Mean Sample F23: 7,401.78 psi Grand Mean Sample F24: 7,398.27 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

WebCode	Data Flag	Sample F23 Lab Mean	Sample F23 Diff from Grand Mean	Sample F23 CPV	Sample F24 Lab Mean	Sample F24 Diff from Grand Mean	Sample F24 CPV
22V8CH		5,058.4	-219.7	-1.29	5,052.8	-225.6	-1.26
2666GX		5,287.8	9.7	0.06	5,458.4	180.0	1.01
2JEWVP		5,093.8	-184.3	-1.08	5,169.2	-109.2	-0.61
3DAUY2		5,495.6	217.5	1.28	5,366.6	88.2	0.49
3HP4K6		5,203.0	-75.1	-0.44	5,172.4	-106.0	-0.59
3VTE77		5,319.2	41.1	0.24	5,374.4	96.0	0.54
4JV36C	X	5,407.6	129.5	0.76	4,878.7	-399.7	-2.24
6282PN		4,993.6	-284.5	-1.67	5,021.6	-256.8	-1.44
6R89M2		5,310.2	32.1	0.19	5,348.1	69.7	0.39
6YDGFA		5,059.0	-219.2	-1.29	5,137.3	-141.1	-0.79
78ZG4Z		5,096.6	-181.5	-1.07	5,225.0	-53.4	-0.30
8LKFC8		5,411.4	133.2	0.78	5,242.5	-35.9	-0.20
93EBKV		5,424.5	146.3	0.86	5,366.4	88.1	0.49
9A4ADB		5,398.8	120.7	0.71	5,358.6	80.2	0.45
9NL343		5,346.1	68.0	0.40	5,427.4	149.0	0.84
9QK4FY		5,218.7	-59.4	-0.35	5,260.5	-17.9	-0.10
B9UTQ3		5,289.3	11.2	0.07	5,204.0	-74.4	-0.42
BRHBP2		5,308.0	29.9	0.18	5,298.8	20.4	0.11
BV9FER		5,212.4	-65.7	-0.39	5,097.5	-180.8	-1.01
BY8WP2	X	5,741.8	463.7	2.73	5,370.4	92.0	0.52
CU4C4B	*	5,740.9	462.8	2.72	5,790.2	511.9	2.87
CU4ETF		5,308.4	30.3	0.18	5,453.5	175.1	0.98
DR7HJC		5,356.4	78.3	0.46	5,328.8	50.4	0.28
ETUN7F	X	6,086.6	808.5	4.75	6,234.5	956.1	5.36
FHTBW8		5,049.0	-229.1	-1.35	4,966.4	-312.0	-1.75
FP63PR		5,246.1	-32.1	-0.19	5,217.6	-60.8	-0.34
FQAMA9		5,298.4	20.3	0.12	5,326.4	48.0	0.27
FXT3N4		5,299.8	21.7	0.13	5,126.4	-152.0	-0.85
GGK9U9		5,172.4	-105.7	-0.62	5,024.4	-253.9	-1.42
GKXBG6		5,261.4	-16.7	-0.10	5,275.4	-3.0	-0.02
HEKZT3		5,514.4	236.3	1.39	5,569.5	291.1	1.63
HK9KX4		5,067.7	-210.5	-1.24	5,193.6	-84.8	-0.48

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

WebCode	Data Flag	Sample F23 Lab Mean	Sample F23 Diff from Grand Mean	Sample F23 CPV	Sample F24 Lab Mean	Sample F24 Diff from Grand Mean	Sample F24 CPV
JKGNDT		4,997.6	-280.5	-1.65	5,067.2	-211.2	-1.18
JKGTYH		5,575.4	297.3	1.75	5,421.8	143.4	0.80
JWKACY		5,294.4	16.3	0.10	5,306.8	28.4	0.16
JZKBKA		5,087.6	-190.5	-1.12	4,945.4	-333.0	-1.87
K34UU6		5,521.2	243.1	1.43	5,564.4	286.0	1.60
L9DDWH		5,372.7	94.6	0.56	5,378.0	99.6	0.56
LZBD39		5,200.6	-77.5	-0.46	5,241.8	-36.6	-0.21
MAZ9YG		5,369.8	91.7	0.54	5,456.2	177.8	1.00
MJCCEF		5,409.1	131.0	0.77	5,412.6	134.2	0.75
MLJUBQ		5,454.4	176.3	1.04	5,335.6	57.2	0.32
MNRCQ8		5,473.2	195.1	1.15	5,481.9	203.5	1.14
PJTTPK		5,397.5	119.4	0.70	5,320.9	42.5	0.24
PW3Z9Z		5,600.6	322.5	1.90	5,566.4	288.0	1.61
PWKARD		5,267.2	-10.9	-0.06	5,241.6	-36.8	-0.21
QC9T8M		5,190.0	-88.1	-0.52	5,314.0	35.6	0.20
QXX63Y		5,329.7	51.6	0.30	5,260.6	-17.8	-0.10
RFVMVE		5,522.0	243.9	1.43	5,318.8	40.4	0.23
RNXBYX	*	5,471.7	193.6	1.14	5,709.9	431.5	2.42
TA6JDA		5,130.0	-148.1	-0.87	5,159.9	-118.5	-0.66
URBQJA		5,176.9	-101.3	-0.60	5,278.9	0.5	0.00
UXZ9XK		5,075.0	-203.1	-1.19	5,036.2	-242.2	-1.36
VCEQDR	X	5,679.0	400.9	2.36	5,994.8	716.5	4.02
VLRLWD		5,104.2	-173.9	-1.02	5,093.4	-185.0	-1.04
VPGBKX	X	7,968.4	2,690.3	15.82	7,857.9	2,579.5	14.46
VQ84ZG		5,058.0	-220.1	-1.29	5,070.0	-208.4	-1.17
WDRH6N		5,139.9	-138.2	-0.81	5,099.1	-179.3	-1.01
XH29ZF		5,041.6	-236.6	-1.39	5,048.2	-230.2	-1.29
YWMEYL		5,299.7	21.6	0.13	5,276.5	-1.9	-0.01
ZQ9PG4		5,173.3	-104.9	-0.62	5,329.9	51.5	0.29

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

Summary Statistics

Grand Means				
	5,278.11	psi	5,278.39	psi
Stnd Dev Btwn Labs				
	170.09	psi	178.36	psi

Statistics based on 56 of 61 reporting participants

Sample F23: ABS & Sample F24: ABS

Comments on assigned Data Flags for Test #705

4JV36C (X) - Inconsistent in testing between samples.

BY8WP2 (X) - Inconsistent in testing between samples, data for Sample F23 are high. Also Inconsistent in testing within Sample F23.

ETUN7F (X) - Data for both samples are high.

VCEQDR (X) - Inconsistent in testing between samples, data for Sample F24 are high.

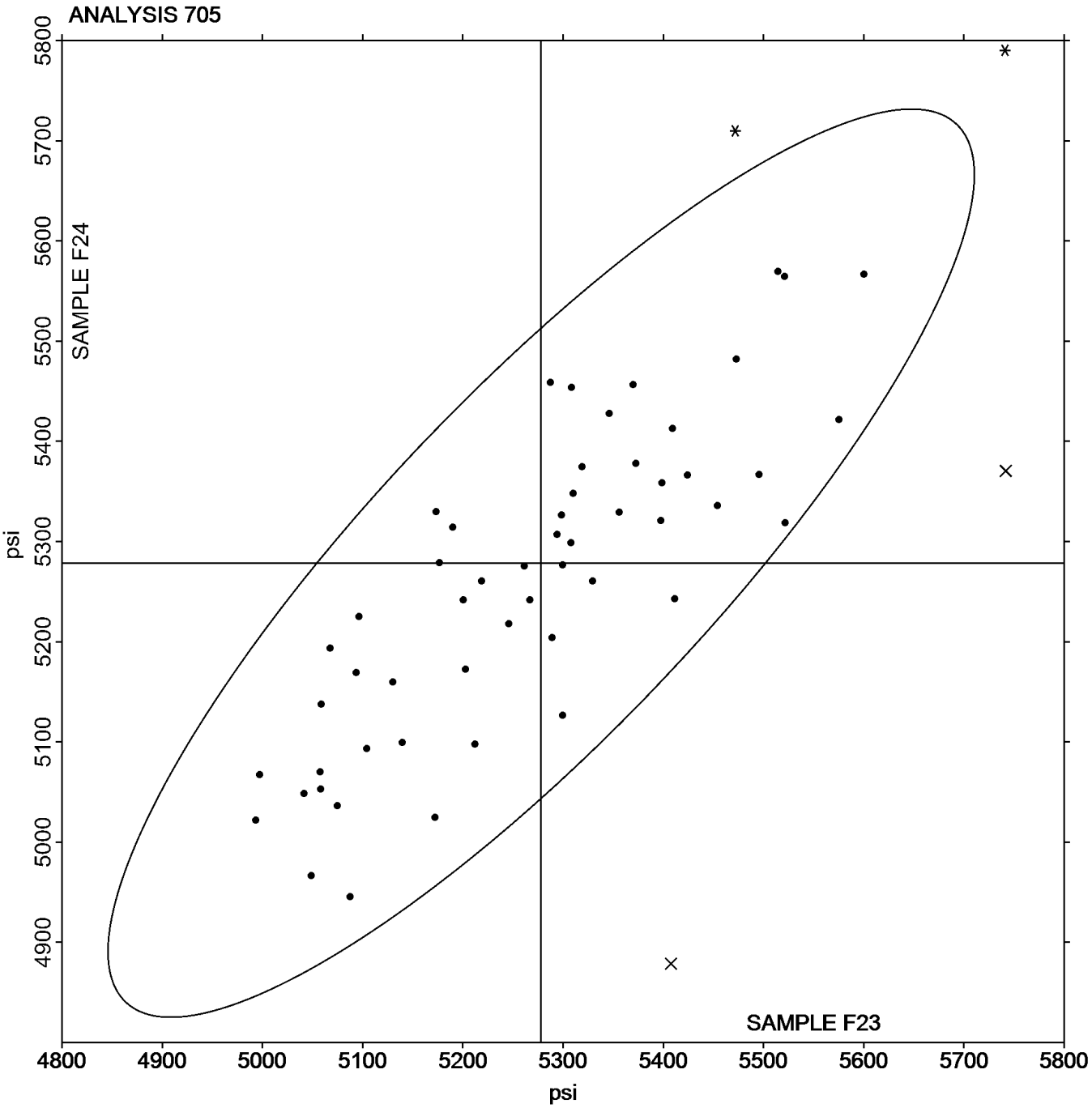
VPGBKX (X) - Data for both samples are high.

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

Grand Mean Sample F23: 5,278.11 psi Grand Mean Sample F24: 5,278.39 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

WebCode	Data Flag	Sample F23 Lab Mean	Sample F23 Diff from Grand Mean	Sample F23 CPV	Sample F24 Lab Mean	Sample F24 Diff from Grand Mean	Sample F24 CPV
22V8CH		2.820	-0.156	-1.83	2.842	-0.133	-1.52
2666GX		2.954	-0.022	-0.26	2.980	0.005	0.05
2JEWVP		2.874	-0.102	-1.20	2.900	-0.075	-0.86
3DAUY2	X	8.938	5.962	70.01	9.109	6.133	69.99
3HP4K6	X	2.256	-0.720	-8.45	2.406	-0.569	-6.50
3VTE77	X	3.370	0.394	4.63	3.774	0.799	9.11
4JV36C		2.955	-0.021	-0.25	2.987	0.012	0.14
6YDGFA		2.960	-0.016	-0.19	2.960	-0.015	-0.18
78ZEEV		3.060	0.084	0.99	3.050	0.075	0.85
78ZG4Z		2.968	-0.008	-0.09	2.954	-0.021	-0.24
8LKFC8	X	4.000	1.024	12.03	4.000	1.025	11.69
93EBKV		3.018	0.042	0.50	2.956	-0.019	-0.22
9A4ADB		2.946	-0.030	-0.35	2.950	-0.025	-0.29
9NL343	X	4.666	1.690	19.85	4.192	1.217	13.88
BRHBP2		2.952	-0.024	-0.28	2.942	-0.033	-0.38
BV9FER		2.902	-0.074	-0.87	2.898	-0.077	-0.88
BY8WP2		3.046	0.070	0.82	3.000	0.025	0.28
CU4C4B		3.008	0.032	0.38	3.024	0.049	0.56
CU4ETF	*	3.174	0.198	2.33	3.094	0.119	1.35
DR7HJC		2.918	-0.058	-0.68	2.854	-0.121	-1.38
ETUN7F		3.000	0.024	0.28	3.054	0.079	0.90
FHTBW8		3.006	0.030	0.35	2.988	0.013	0.14
FP63PR		3.068	0.092	1.08	3.072	0.097	1.10
FQAMA9	X	1.904	-1.072	-12.59	1.862	-1.113	-12.70
FXT3N4		3.000	0.024	0.28	2.960	-0.015	-0.18
GKXBG6		2.988	0.012	0.14	3.022	0.047	0.53
HEKZT3		2.980	0.004	0.05	2.944	-0.031	-0.36
HK9KX4	*	2.912	-0.064	-0.75	3.028	0.053	0.60
JKGNDT		2.948	-0.028	-0.33	2.992	0.017	0.19
JWKACY		2.938	-0.038	-0.44	2.956	-0.019	-0.22
JZKBKA		2.876	-0.100	-1.17	2.966	-0.009	-0.11
K34UU6		3.020	0.044	0.52	2.992	0.017	0.19

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

WebCode	Data Flag	Sample F23 Lab Mean	Sample F23 Diff from Grand Mean	Sample F23 CPV	Sample F24 Lab Mean	Sample F24 Diff from Grand Mean	Sample F24 CPV
L9DDWH	X	2.581	-0.395	-4.64	2.643	-0.332	-3.79
LZBD39		3.050	0.074	0.87	3.026	0.051	0.58
MAZ9YG	X	6.956	3.980	46.74	6.752	3.777	43.10
MHQRA7	X	15.004	12.028	141.24	14.350	11.375	129.80
MLJUBQ		3.108	0.132	1.55	3.102	0.127	1.45
PJTTPK	X	4.400	1.424	16.72	4.200	1.225	13.97
PWKARD		2.980	0.004	0.05	2.970	-0.005	-0.06
QC9T8M		2.828	-0.148	-1.74	2.794	-0.181	-2.07
RFVMVE		2.964	-0.012	-0.14	2.948	-0.027	-0.31
RNXBYX	X	2.572	-0.404	-4.74	2.762	-0.213	-2.43
URBQJA		2.930	-0.046	-0.54	2.924	-0.051	-0.59
UXZ9XK	*	3.134	0.158	1.86	3.212	0.237	2.70
VCEQDR		3.076	0.100	1.18	3.096	0.121	1.38
VCJV9G		2.948	-0.028	-0.33	2.932	-0.043	-0.49
VLRLWD		3.004	0.028	0.33	3.012	0.037	0.42
VPGBKX	X	5.862	2.886	33.89	5.828	2.853	32.55
WDRH6N	*	2.717	-0.259	-3.04	2.697	-0.278	-3.17
XH29ZF		2.992	0.016	0.19	2.988	0.013	0.14
XVPC46	X	2.978	0.002	0.03	2.382	-0.594	-6.77
YL9BXH		3.026	0.050	0.59	2.956	-0.019	-0.22
YWMEYL	X	3.832	0.856	10.05	3.800	0.825	9.41
ZQ9PG4		2.986	0.010	0.12	2.992	0.017	0.19

Summary Statistics

Grand Means

2.9758 Percent — 2.9754 Percent

Stnd Dev Btwn Labs

0.0852 Percent — 0.0876 Percent

Statistics based on 40 of 54 reporting participants

Sample F23: ABS & Sample F24: ABS

Plastics Interlaboratory Testing Program
Analysis 706
Percent Elongation at Yield - Percent

Comments on assigned Data Flags for Test #706

3DAUY2 (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

3HP4K6 (X) - Data for both samples are low. Also Inconsistent in testing within both samples.

3VTE77 (X) - Data for both samples are high. Also Inconsistent in testing within Sample F24.

8LKFC8 (X) - Data for both samples are high.

9NL343 (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

FQAMA9 (X) - Data for both samples are low.

L9DDWH (X) - Data for both samples are low. Also Inconsistent in testing within both samples.

MAZ9YG (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

MHQRA7 (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

PJTTPK (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

RNXBYX (X) - Inconsistent in testing between samples, data for Sample F23 are low.

VPGBKX (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

XVPC46 (X) - Inconsistent in testing between samples, data for Sample F24 are low. Also Inconsistent in testing within both samples.

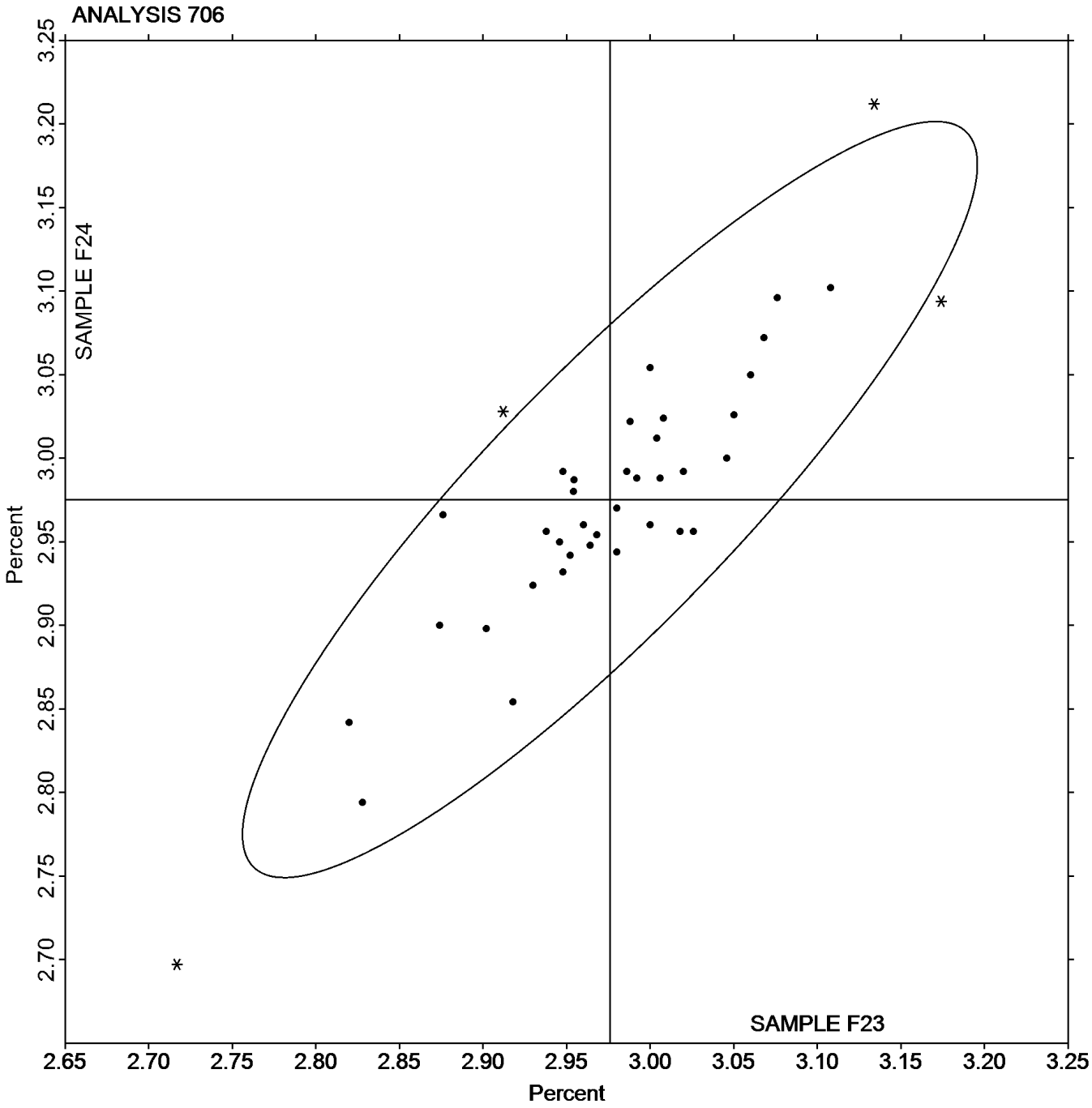
YWMEYL (X) - Data for both samples are high.

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

Grand Mean Sample F23: 2.9758 Percent Grand Mean Sample F24: 2.9754 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 708

Modulus of Elasticity - ksi

WebCode	Data Flag	Sample F23 Lab Mean	Sample F23 Diff from Grand Mean	Sample F23 CPV	Sample F24 Lab Mean	Sample F24 Diff from Grand Mean	Sample F24 CPV
22V8CH		365.48	12.47	0.69	366.66	13.06	0.65
2666GX		351.84	-1.17	-0.06	355.10	1.50	0.07
2JEWVP		355.81	2.80	0.15	359.29	5.69	0.28
3HP4K6	X	405.15	52.14	2.87	351.28	-2.33	-0.12
3VTE77	*	330.98	-22.02	-1.21	315.91	-37.70	-1.88
4JV36C		360.59	7.59	0.42	362.59	8.98	0.45
6YDGFA		337.39	-15.62	-0.86	340.23	-13.37	-0.67
78ZEEV		343.34	-9.67	-0.53	351.88	-1.72	-0.09
78ZG4Z		346.98	-6.03	-0.33	350.92	-2.68	-0.13
8LKFC8	*	407.67	54.67	3.01	403.87	50.27	2.51
93EBKV		357.84	4.83	0.27	365.67	12.07	0.60
9A4ADB		361.20	8.19	0.45	360.32	6.72	0.34
9NL343	X	282.83	-70.18	-3.87	350.50	-3.10	-0.15
BRHBP2		352.59	-0.42	-0.02	349.00	-4.60	-0.23
BV9FER	*	397.90	44.89	2.47	390.91	37.31	1.86
BY8WP2		354.40	1.39	0.08	361.66	8.06	0.40
CU4C4B		311.98	-41.03	-2.26	311.75	-41.85	-2.09
CU4ETF	*	334.93	-18.07	-1.00	353.31	-0.29	-0.01
DR7HJC		360.24	7.23	0.40	356.28	2.68	0.13
ETUN7F		346.81	-6.20	-0.34	336.68	-16.92	-0.84
FHTBW8		350.60	-2.41	-0.13	354.00	0.40	0.02
FP63PR		348.64	-4.36	-0.24	348.82	-4.78	-0.24
FQAMA9		352.44	-0.57	-0.03	351.12	-2.48	-0.12
FXT3N4		335.00	-18.01	-0.99	331.24	-22.36	-1.12
GKXBG6		350.97	-2.03	-0.11	353.15	-0.45	-0.02
HEKZT3		332.40	-20.61	-1.14	337.68	-15.92	-0.80
HK9KX4		352.21	-0.79	-0.04	354.10	0.50	0.02
JWKACY		353.80	0.79	0.04	348.60	-5.00	-0.25
JZKBKA		371.80	18.79	1.04	362.40	8.80	0.44
K34UU6		363.60	10.59	0.58	366.44	12.84	0.64
L9DDWH		357.99	4.98	0.27	368.41	14.81	0.74
MAZ9YG	X	0.12	-352.89	-19.44	0.12	-353.48	-17.65

Plastics Interlaboratory Testing Program

Analysis 708

Modulus of Elasticity - ksi

WebCode	Data Flag	Sample F23 Lab Mean	Sample F23 Diff from Grand Mean	Sample F23 CPV	Sample F24 Lab Mean	Sample F24 Diff from Grand Mean	Sample F24 CPV
P8QVA2		349.78	-3.23	-0.18	352.47	-1.13	-0.06
PWKARD		355.04	2.03	0.11	357.18	3.58	0.18
QC9T8M		371.00	17.99	0.99	379.00	25.40	1.27
RFVMVE		347.10	-5.91	-0.33	346.52	-7.08	-0.35
RNXBYX	X	353.84	0.84	0.05	316.78	-36.82	-1.84
URBQJA		371.22	18.21	1.00	372.53	18.93	0.95
UXZ9XK		327.86	-25.15	-1.39	317.06	-36.54	-1.83
VCEQDR		325.72	-27.29	-1.50	323.43	-30.17	-1.51
VCJV9G		360.78	7.77	0.43	356.82	3.22	0.16
VLRLWD		345.18	-7.83	-0.43	345.07	-8.53	-0.43
VPGBKX	X	266.00	-87.01	-4.79	265.42	-88.18	-4.40
WDRH6N		347.74	-5.26	-0.29	349.92	-3.68	-0.18
XH29ZF		347.63	-5.38	-0.30	346.56	-7.05	-0.35
XVPC46	*	395.09	42.08	2.32	408.57	54.97	2.75
YL9BXH		353.42	0.41	0.02	355.62	2.02	0.10
YWMEYL		329.24	-23.77	-1.31	317.87	-35.73	-1.78
ZQ9PG4		358.10	5.09	0.28	361.84	8.24	0.41

Summary Statistics

	Sample F23	Sample F24
Grand Means	353.008 ksi	353.601 ksi
Stnd Dev Btwn Labs	18.153 ksi	20.021 ksi

Statistics based on 44 of 49 reporting participants

Sample F23: ABS & Sample F24: ABS

Comments on assigned Data Flags for Test #708

3HP4K6 (X) - Inconsistent in testing between samples, data for Sample F23 are high. Inconsistent in testing within both samples.

9NL343 (X) - Inconsistent in testing between samples, data for Sample F23 are low. Also Inconsistent in testing within both samples.

MAZ9YG (X) - Data for both samples are low.

RNXBYX (X) - Inconsistent in testing between samples and inconsistent in testing within Sample F23.

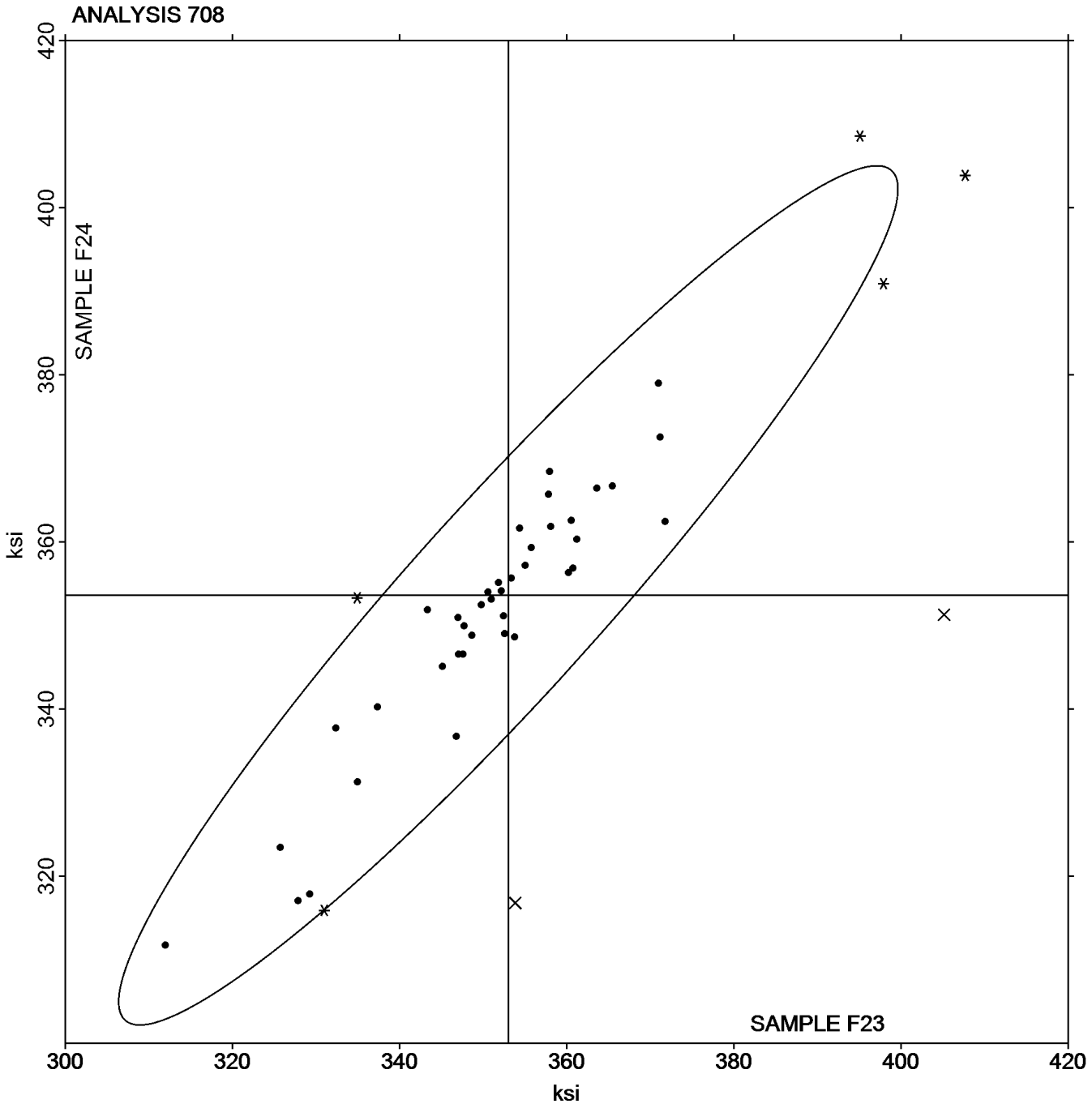
VPGBKX (X) - Data for both samples are low.

Plastics Interlaboratory Testing Program

Analysis 708

Modulus of Elasticity - ksi

Grand Mean Sample F23: 353.01 ksi Grand Mean Sample F24: 353.60 ksi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

WebCode	Data Flag	Sample C23 Lab Mean	Sample C23 Diff from Grand Mean	Sample C23 CPV	Sample C24 Lab Mean	Sample C24 Diff from Grand Mean	Sample C24 CPV
2JEWVP		65.24	0.10	0.09	65.16	0.23	0.23
2WNK3Z		65.85	0.72	0.65	65.69	0.75	0.76
4HXNDZ		64.92	-0.22	-0.20	65.08	0.15	0.15
4KVNBQ		64.25	-0.89	-0.81	64.57	-0.36	-0.37
4TWNNJ		65.54	0.40	0.37	65.00	0.07	0.07
63N93V		63.94	-1.19	-1.08	63.89	-1.04	-1.05
6DFQJJ		65.34	0.21	0.19	65.14	0.20	0.21
6JLDHD		66.03	0.90	0.81	65.75	0.81	0.82
6QMY22	*	63.30	-1.84	-1.66	64.20	-0.73	-0.74
6TJ2MV		64.19	-0.95	-0.86	63.90	-1.04	-1.04
7FQYKU		65.16	0.03	0.03	65.31	0.37	0.38
9A4ADB		64.62	-0.51	-0.46	64.02	-0.92	-0.92
9J8H2M		65.97	0.84	0.76	66.24	1.31	1.32
9QK4FY		65.15	0.02	0.01	64.41	-0.52	-0.52
9WN87X		64.92	-0.21	-0.19	64.02	-0.91	-0.92
9ZCDA3		64.20	-0.94	-0.85	64.24	-0.69	-0.70
A769XD		65.31	0.17	0.16	64.81	-0.12	-0.12
AWADR3		64.83	-0.30	-0.28	65.17	0.24	0.24
AZ8FDX		63.68	-1.45	-1.32	64.30	-0.63	-0.63
BBERUL		66.64	1.50	1.36	65.66	0.73	0.73
BRHBP2		64.51	-0.63	-0.57	63.74	-1.20	-1.20
C47KU9		67.20	2.06	1.87	67.12	2.19	2.20
CCMBDR		65.29	0.15	0.14	65.04	0.11	0.11
CU4C4B		66.33	1.19	1.08	66.14	1.21	1.22
DAVJTA		66.12	0.98	0.89	65.60	0.67	0.67
DDUZVH		63.44	-1.70	-1.54	63.58	-1.35	-1.36
DJ62CT		65.02	-0.11	-0.10	64.46	-0.47	-0.47
E6CTQX		65.73	0.59	0.53	65.91	0.98	0.98
E7CY9Q		62.81	-2.32	-2.10	62.84	-2.09	-2.10
EMAFZG		65.05	-0.08	-0.07	65.02	0.08	0.09
EVAL9Q		66.15	1.02	0.92	65.63	0.70	0.70
F2H9VR		65.18	0.05	0.04	65.25	0.32	0.32

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

WebCode	Data Flag	Sample C23 Lab Mean	Sample C23 Diff from Grand Mean	Sample C23 CPV	Sample C24 Lab Mean	Sample C24 Diff from Grand Mean	Sample C24 CPV
FP63PR		65.43	0.30	0.27	64.98	0.05	0.05
FQVAPV		66.32	1.18	1.07	65.60	0.67	0.67
GGK9U9		67.37	2.23	2.02	67.15	2.22	2.23
JEM228		65.44	0.30	0.28	65.24	0.31	0.31
L7KEGK		63.68	-1.46	-1.32	63.04	-1.89	-1.90
NLDVKM		65.28	0.15	0.13	64.73	-0.21	-0.21
P83WNM		64.70	-0.44	-0.40	64.15	-0.78	-0.78
QC9T8M		65.72	0.58	0.53	65.56	0.63	0.63
QJKMKA		64.68	-0.45	-0.41	64.72	-0.21	-0.21
QRYCJH		63.41	-1.73	-1.56	63.79	-1.14	-1.15
R4K4AC		65.50	0.36	0.33	65.38	0.44	0.45
RFVMVE		66.48	1.34	1.22	66.12	1.19	1.20
UXKPG8		64.42	-0.72	-0.65	64.23	-0.70	-0.71
UYH6MC	*	65.56	0.42	0.38	64.40	-0.54	-0.54
VD6YDV		64.96	-0.18	-0.16	64.68	-0.25	-0.25
VPUDC7		65.51	0.37	0.34	65.08	0.15	0.15
VQ84ZG		63.32	-1.82	-1.65	63.56	-1.37	-1.38
WC6XLC		64.32	-0.82	-0.74	64.37	-0.56	-0.56
WHZBNL		62.68	-2.46	-2.23	63.01	-1.92	-1.93
WQC688	*	68.16	3.02	2.74	67.64	2.71	2.73
WUJACG		64.62	-0.51	-0.46	64.68	-0.25	-0.25
XH29ZF		66.04	0.90	0.82	65.50	0.57	0.57
XQX3ZY		66.82	1.68	1.53	66.84	1.91	1.92
Y3UVH9		65.78	0.65	0.59	65.30	0.37	0.37
YBB8V9		64.32	-0.81	-0.74	64.29	-0.64	-0.65
ZAP6DY		65.50	0.37	0.33	65.04	0.11	0.11
ZB7CP9		65.07	-0.06	-0.06	65.00	0.07	0.07

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

Summary Statistics

Grand Means		
	65.136 MPa	64.931 MPa
Stnd Dev Btwn Labs		
	1.104 MPa	0.994 MPa

Statistics based on 59 of 59 reporting participants

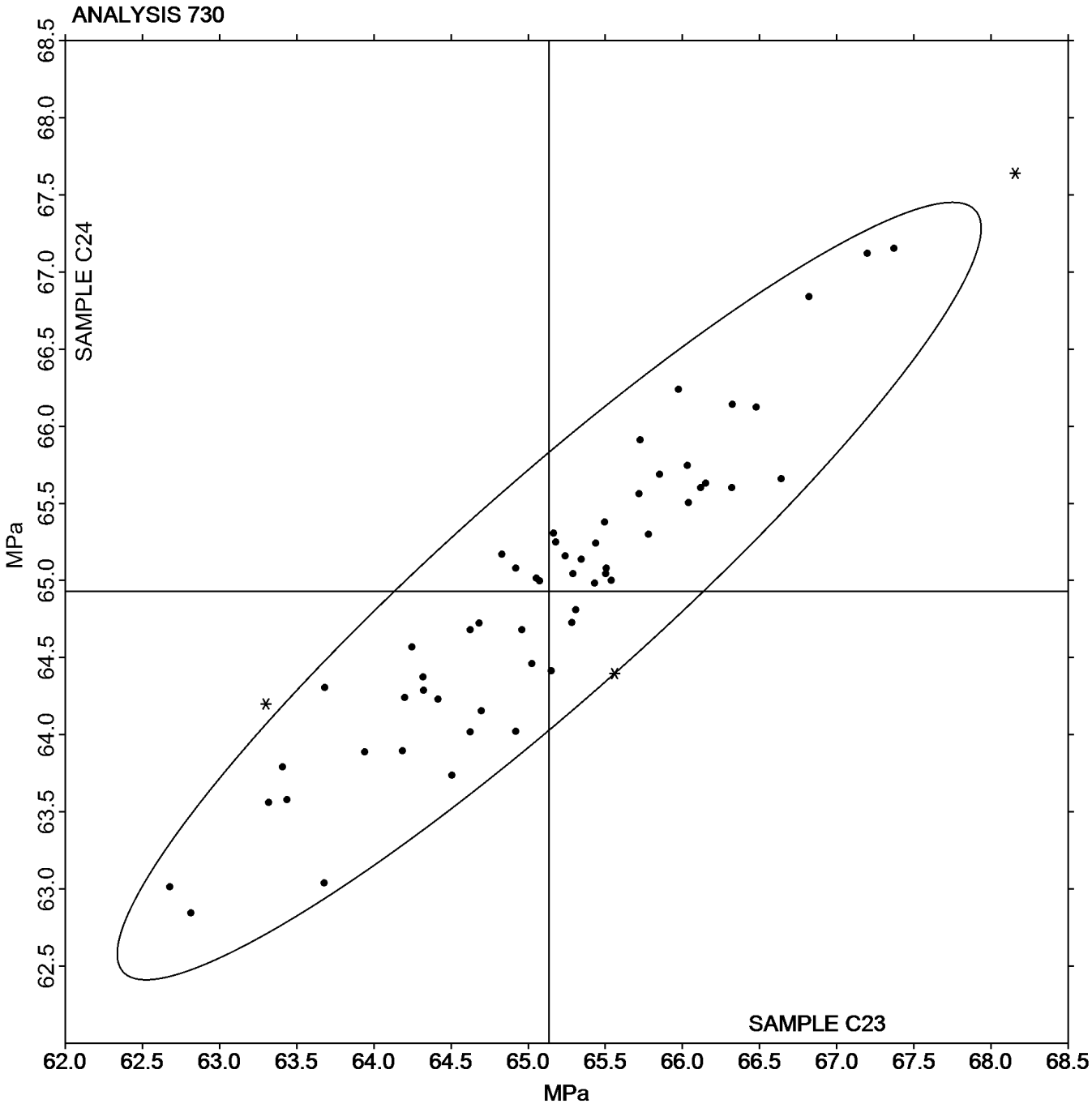
Sample C23: ABS/PC & Sample C24: ABS/PC

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

Grand Mean Sample C23: 65.136 MPa Grand Mean Sample C24: 64.931 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 731

Tensile Stress at Break - MPa

WebCode	Data Flag	Sample C23 Lab Mean	Sample C23 Diff from Grand Mean	Sample C23 CPV	Sample C24 Lab Mean	Sample C24 Diff from Grand Mean	Sample C24 CPV
2JEWVP		46.84	-0.65	-0.54	48.32	0.83	0.84
4HXNDZ		48.66	1.17	0.97	47.54	0.05	0.05
4KVNBQ		48.18	0.69	0.57	46.36	-1.13	-1.15
4TWNNJ		48.40	0.91	0.75	47.44	-0.05	-0.05
63N93V		47.75	0.26	0.22	47.82	0.32	0.33
6DFQJJ		47.03	-0.46	-0.38	47.71	0.22	0.22
6JLDHD		47.33	-0.16	-0.13	47.14	-0.36	-0.36
6QMY22		48.50	1.01	0.83	48.08	0.59	0.59
6TJ2MV		48.07	0.58	0.48	48.48	0.98	1.00
9A4ADB		46.37	-1.12	-0.93	47.43	-0.07	-0.07
9J8H2M		48.57	1.08	0.89	46.26	-1.24	-1.25
9WN87X		48.35	0.85	0.71	47.52	0.02	0.02
A769XD		47.54	0.05	0.04	47.21	-0.29	-0.29
AWADR3		48.68	1.19	0.98	49.23	1.73	1.76
AZ8FDX		46.91	-0.58	-0.48	46.70	-0.80	-0.81
BBERUL		47.68	0.19	0.15	47.52	0.03	0.03
BRHBP2		47.39	-0.10	-0.08	47.12	-0.37	-0.38
C47KU9		48.76	1.27	1.05	48.96	1.47	1.49
CCMBDR		46.98	-0.52	-0.43	47.40	-0.09	-0.09
CU4C4B		47.41	-0.09	-0.07	47.76	0.27	0.27
DAVJTA		47.94	0.45	0.37	47.40	-0.09	-0.09
DJ62CT		48.54	1.05	0.87	46.96	-0.54	-0.55
DVDUM8	X	41.68	-5.82	-4.82	42.96	-4.53	-4.60
E7CY9Q		45.99	-1.51	-1.25	46.22	-1.28	-1.29
EMAFZG		47.26	-0.23	-0.19	46.97	-0.53	-0.53
EVAL9Q		47.77	0.28	0.23	47.70	0.20	0.21
F2H9VR	X	65.18	17.69	14.65	65.25	17.75	18.00
FP63PR		47.58	0.09	0.07	47.00	-0.49	-0.50
FQVAPV		48.88	1.39	1.15	48.88	1.39	1.41
GGK9U9		47.81	0.32	0.26	47.80	0.30	0.31
JEM228		48.82	1.33	1.10	47.86	0.37	0.37
L7KEGK		45.14	-2.35	-1.95	45.42	-2.07	-2.10

Plastics Interlaboratory Testing Program

Analysis 731

Tensile Stress at Break - MPa

WebCode	Data Flag	Sample C23 Lab Mean	Sample C23 Diff from Grand Mean	Sample C23 CPV	Sample C24 Lab Mean	Sample C24 Diff from Grand Mean	Sample C24 CPV
NLDVKM		47.54	0.05	0.04	46.59	-0.90	-0.91
P83WNM		46.55	-0.94	-0.78	46.87	-0.62	-0.63
QC9T8M		47.94	0.45	0.37	48.06	0.57	0.57
QJKMKA		47.97	0.48	0.39	47.21	-0.28	-0.28
QRYCJH		47.29	-0.21	-0.17	49.12	1.63	1.65
RFVMVE		50.32	2.82	2.34	48.57	1.07	1.09
UXKPG8		47.29	-0.21	-0.17	47.07	-0.43	-0.43
UYH6MC		46.75	-0.75	-0.62	47.11	-0.38	-0.39
VD6YDV		46.16	-1.33	-1.10	46.60	-0.89	-0.91
VPUDC7		46.03	-1.46	-1.21	47.55	0.06	0.06
WC6XLC		46.38	-1.12	-0.92	46.77	-0.72	-0.73
WHZBNL	*	44.29	-3.20	-2.65	46.53	-0.96	-0.97
WQC688	*	50.44	2.94	2.44	49.79	2.30	2.33
WUJACG	*	45.49	-2.00	-1.66	44.95	-2.54	-2.58
XH29ZF		47.94	0.44	0.37	47.76	0.26	0.27
XQX3ZY		48.86	1.37	1.13	49.54	2.05	2.07
Y3UVH9	X	49.30	1.80	1.49	45.47	-2.03	-2.06
YBB8V9		46.75	-0.75	-0.62	46.51	-0.99	-1.00
ZAP6DY		46.50	-0.99	-0.82	47.62	0.12	0.13
ZB7CP9	*	45.55	-1.94	-1.61	48.76	1.27	1.29

Summary Statistics

	Sample C23	Sample C24
Grand Means	47.494 MPa	47.494 MPa
Stnd Dev Btwn Labs	1.207 MPa	0.986 MPa

Statistics based on 49 of 52 reporting participants

Sample C23: ABS/PC & Sample C24: ABS/PC

Comments on assigned Data Flags for Test #731

DVDUM8 (X) - Data for both samples are low.

F2H9VR (X) - Data for both samples are high. Lab appears to have reported yield data.

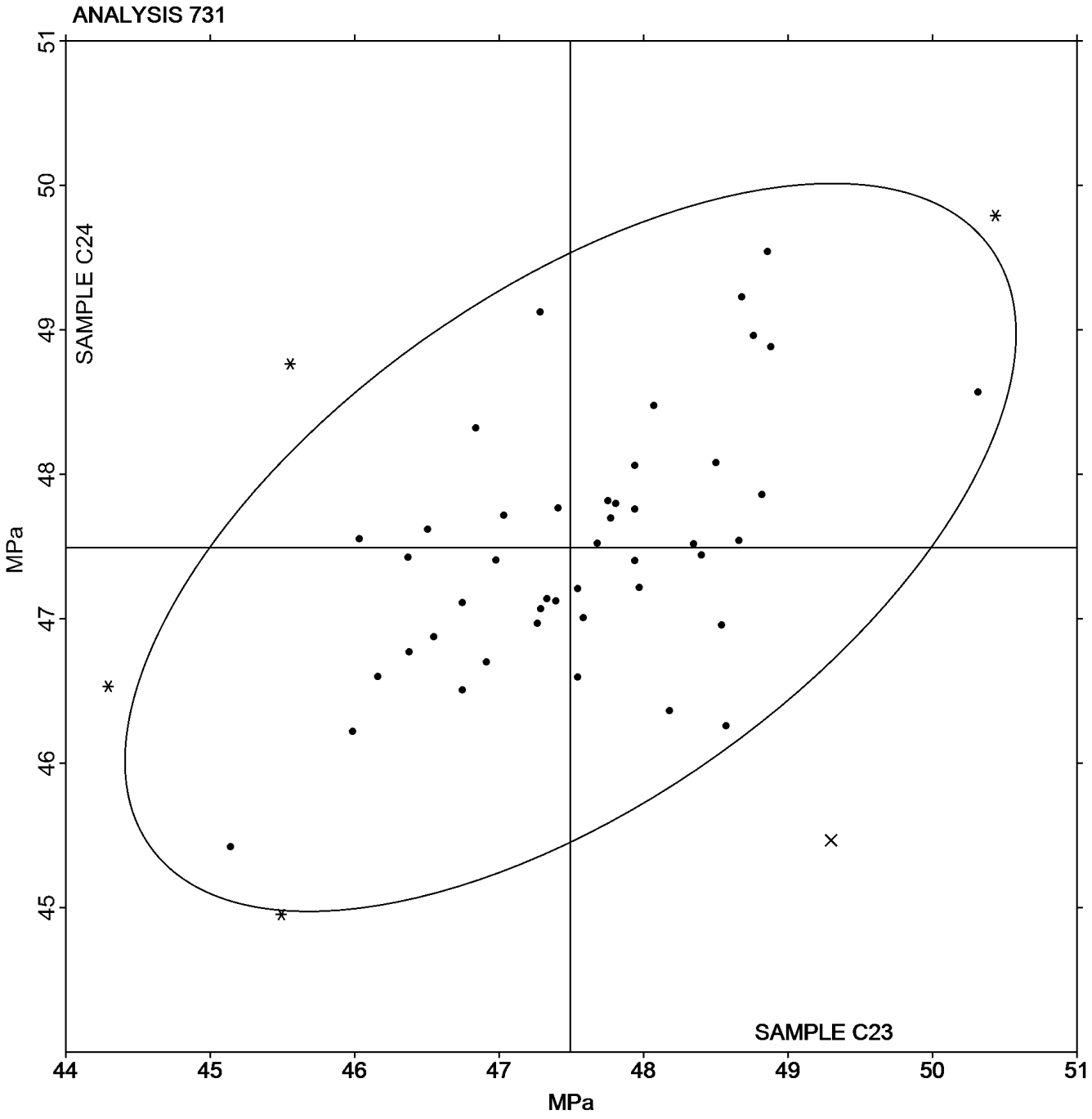
Y3UVH9 (X) - Inconsistent in testing between samples and inconsistent in testing within Sample C23.

Plastics Interlaboratory Testing Program

Analysis 731

Tensile Stress at Break - MPa

Grand Mean Sample C23: 47.494 MPa Grand Mean Sample C24: 47.494 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 732

Percent Strain at Yield

		Sample C23			Sample C24		
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2JEWVP		3.556	-0.054	-0.56	3.564	-0.035	-0.38
4HXNDZ		3.540	-0.070	-0.73	3.520	-0.079	-0.84
4KVNBQ		3.536	-0.074	-0.77	3.596	-0.003	-0.04
4TWNNJ	*	3.600	-0.010	-0.10	3.720	0.121	1.28
63N93V		3.636	0.026	0.28	3.626	0.027	0.28
6DFQJJ		3.562	-0.048	-0.50	3.540	-0.059	-0.63
6JLDHD		3.580	-0.030	-0.31	3.576	-0.023	-0.25
6QMY22		3.514	-0.096	-1.01	3.558	-0.041	-0.44
6TJ2MV		3.584	-0.026	-0.27	3.534	-0.065	-0.69
7FQYKU		3.626	0.016	0.17	3.594	-0.005	-0.06
9A4ADB		3.634	0.024	0.26	3.600	0.001	0.01
9J8H2M		3.612	0.002	0.03	3.620	0.021	0.22
9WN87X		3.508	-0.102	-1.07	3.416	-0.183	-1.95
A769XD		3.792	0.182	1.92	3.718	0.119	1.26
AWADR3	X	3.160	-0.450	-4.73	3.248	-0.351	-3.73
AZ8FDX		3.494	-0.116	-1.22	3.534	-0.065	-0.69
BBERUL	X	12.160	8.550	90.03	11.980	8.381	89.00
BRHBP2		3.646	0.036	0.38	3.569	-0.031	-0.32
C47KU9		3.712	0.102	1.08	3.698	0.099	1.05
CU4C4B		3.636	0.026	0.28	3.628	0.029	0.30
DAVJTA		3.600	-0.010	-0.10	3.600	0.001	0.01
DJ62CT		3.499	-0.110	-1.16	3.499	-0.100	-1.07
E6CTQX		3.633	0.023	0.24	3.667	0.068	0.72
E7CY9Q	X	2.850	-0.760	-8.00	2.790	-0.809	-8.60
EMAFZG		3.740	0.130	1.37	3.716	0.117	1.24
EVAL9Q		3.654	0.044	0.47	3.600	0.001	0.01
F2H9VR		3.537	-0.072	-0.76	3.567	-0.032	-0.34
FP63PR		3.670	0.060	0.64	3.642	0.043	0.45
FQVAPV		3.606	-0.004	-0.04	3.580	-0.019	-0.21
GGK9U9	*	3.858	0.248	2.62	3.860	0.261	2.77
JEM228	X	3.640	0.030	0.32	4.220	0.621	6.59
L7KEGK	*	3.500	-0.110	-1.15	3.400	-0.199	-2.12

Plastics Interlaboratory Testing Program

Analysis 732

Percent Strain at Yield

WebCode	Data Flag	Sample C23 Lab Mean	Sample C23 Diff from Grand Mean	Sample C23 CPV	Sample C24 Lab Mean	Sample C24 Diff from Grand Mean	Sample C24 CPV
NLDVKM		3.434	-0.176	-1.85	3.400	-0.199	-2.12
P83WNM	X	3.470	-0.140	-1.47	3.304	-0.295	-3.14
QC9T8M		3.558	-0.052	-0.54	3.482	-0.117	-1.25
QJKMKA		3.648	0.038	0.40	3.648	0.049	0.52
QRYCJH		3.693	0.083	0.88	3.677	0.078	0.82
R4K4AC		3.584	-0.026	-0.27	3.564	-0.035	-0.38
RFVMVE		3.644	0.034	0.36	3.654	0.055	0.58
UXKPG8		3.614	0.004	0.05	3.614	0.015	0.16
UYH6MC		3.650	0.040	0.43	3.588	-0.011	-0.12
VD6YDV		3.524	-0.086	-0.90	3.524	-0.075	-0.80
VPUDC7	X	3.958	0.348	3.67	3.944	0.345	3.66
WC6XLC		3.450	-0.160	-1.68	3.444	-0.155	-1.65
WHZBNL		3.532	-0.078	-0.82	3.518	-0.081	-0.86
WQC688		3.756	0.147	1.54	3.718	0.118	1.26
WUJACG		3.572	-0.038	-0.40	3.624	0.025	0.26
XH29ZF		3.668	0.058	0.62	3.632	0.033	0.35
XQX3ZY	*	3.432	-0.178	-1.87	3.542	-0.057	-0.61
Y3UVH9		3.776	0.166	1.75	3.686	0.087	0.92
YBB8V9		3.760	0.150	1.58	3.764	0.165	1.75
ZAP6DY		3.710	0.100	1.06	3.720	0.121	1.28
ZB7CP9		3.580	-0.030	-0.31	3.628	0.029	0.30

Summary Statistics

	Sample C23	Sample C24
Grand Means	3.6096 Percent	3.5993 Percent
Stnd Dev Btwn Labs	0.0950 Percent	0.0942 Percent

Statistics based on 47 of 53 reporting participants

Sample C23: ABS/PC & Sample C24: ABS/PC

Plastics Interlaboratory Testing Program

Analysis 732

Percent Strain at Yield

Comments on assigned Data Flags for Test #732

AWADR3 (X) - Data for both samples are low. Also Inconsistent in testing within both samples.

BBERUL (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

E7CY9Q (X) - Data for both samples are low. Also Inconsistent in testing within both samples.

JEM228 (X) - Inconsistent in testing between samples, data for Sample C24 are high. Also Inconsistent in testing within Sample C24.

P83WNM (X) - Inconsistent in testing between samples, data for Sample C24 are low. Also Inconsistent in testing within both samples.

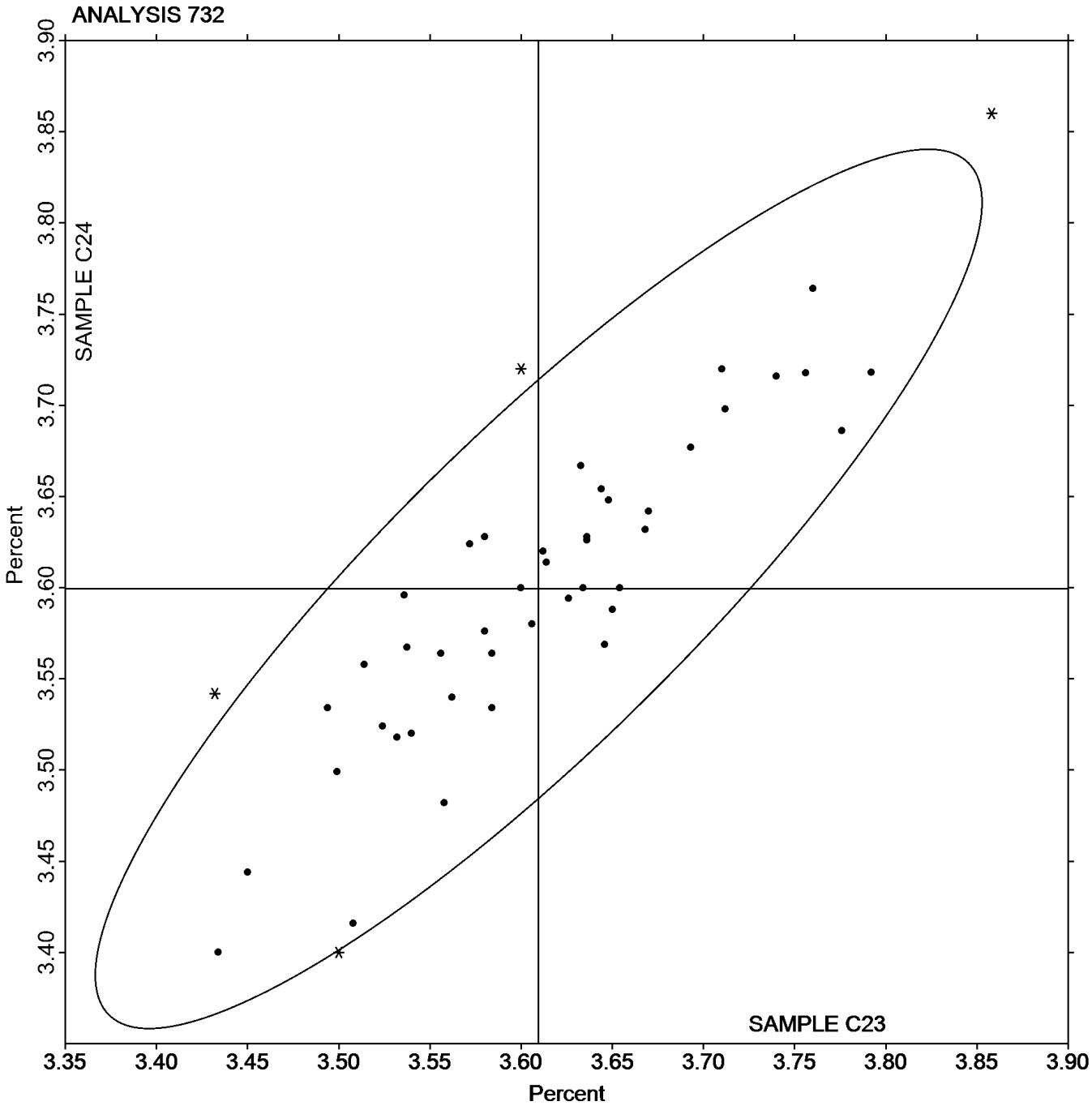
VPUDC7 (X) - Data for both samples are high. Also Inconsistent in testing within Sample C24.

Plastics Interlaboratory Testing Program

Analysis 732

Percent Strain at Yield

Grand Mean Sample C23: 3.6096 Percent Grand Mean Sample C24: 3.5993 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

		Sample C23			Sample C24		
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2JEWVP		2,731	-76	-0.74	2,718	-100	-0.99
4HXNDZ	*	3,017	211	2.07	3,090	272	2.68
4KVNBQ		2,851	45	0.44	2,887	68	0.67
4TWNNJ		2,766	-41	-0.40	2,836	18	0.18
63N93V	X	2,613	-193	-1.90	2,990	172	1.70
6DFQJJ		2,745	-62	-0.61	2,744	-74	-0.73
6JLDHD		2,815	8	0.08	2,817	-1	-0.01
6QMY22		2,728	-79	-0.78	2,732	-86	-0.85
6TJ2MV		2,562	-244	-2.40	2,576	-242	-2.39
7FQYKU		2,880	73	0.72	2,958	140	1.38
9A4ADB		2,731	-76	-0.74	2,732	-86	-0.85
9J8H2M		2,772	-35	-0.34	2,826	8	0.08
9WN87X		2,766	-40	-0.39	2,748	-71	-0.70
A769XD		2,803	-3	-0.03	2,855	37	0.36
AWADR3	*	3,078	271	2.66	3,070	251	2.48
AZ8FDX		2,879	72	0.71	2,870	52	0.51
BRHBP2		2,927	120	1.18	2,937	119	1.17
C47KU9		2,746	-60	-0.59	2,764	-54	-0.53
CU4C4B		2,918	111	1.09	2,912	94	0.93
DAVJTA		2,746	-60	-0.59	2,730	-88	-0.87
DJ62CT		2,727	-80	-0.78	2,680	-139	-1.37
DVDUM8		2,845	39	0.38	2,846	28	0.27
E6CTQX		2,731	-75	-0.74	2,767	-52	-0.51
E7CY9Q		2,982	175	1.72	3,010	192	1.89
EMAFZG		2,796	-10	-0.10	2,774	-44	-0.44
EVAL9Q		2,821	15	0.14	2,848	30	0.29
F2H9VR		2,829	22	0.22	2,825	6	0.06
FP63PR		2,720	-87	-0.85	2,801	-18	-0.17
FQVAPV		2,929	122	1.20	2,900	81	0.80
GGK9U9		2,768	-39	-0.38	2,754	-64	-0.63
JEM228		2,834	27	0.27	2,832	14	0.14
L7KEGK		2,906	99	0.98	2,820	2	0.02

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

WebCode	Data Flag	Sample C23 Lab Mean	Sample C23 Diff from Grand Mean	Sample C23 CPV	Sample C24 Lab Mean	Sample C24 Diff from Grand Mean	Sample C24 CPV
NLDVKM		2,675	-132	-1.29	2,754	-65	-0.64
P83WNM	X	3,196	389	3.82	3,153	335	3.30
QC9T8M		2,867	60	0.59	2,878	59	0.59
QJKMKA		2,785	-22	-0.21	2,812	-6	-0.06
QRYCJH		2,727	-79	-0.78	2,744	-74	-0.73
R4K4AC	*	2,997	191	1.87	2,917	99	0.97
RFVMVE		2,726	-81	-0.79	2,717	-102	-1.00
UXKPG8		2,797	-10	-0.10	2,818	0	0.00
UYH6MC		2,817	11	0.10	2,847	29	0.28
VD6YDV		2,677	-130	-1.27	2,658	-160	-1.58
VPUDC7		2,745	-61	-0.60	2,801	-17	-0.17
WC6XLC		2,877	70	0.69	2,943	124	1.23
WHZBNL	X	2,571	-235	-2.31	2,773	-45	-0.45
WQC688		2,890	83	0.82	2,842	24	0.24
WUJACG		2,735	-72	-0.70	2,722	-96	-0.95
XH29ZF		2,812	5	0.05	2,811	-7	-0.07
XQX3ZY		2,868	61	0.60	2,846	28	0.28
Y3UVH9	*	2,680	-127	-1.24	2,802	-16	-0.16
YBB8V9		2,622	-185	-1.81	2,638	-180	-1.78
ZAP6DY		2,759	-48	-0.47	2,766	-52	-0.51
ZB7CP9		2,925	118	1.16	2,937	119	1.17

Summary Statistics

	Sample C23	Sample C24
Grand Means	2,806.6 MPa	2,818.3 MPa
Stnd Dev Btwn Labs	101.9 MPa	101.3 MPa

Statistics based on 50 of 53 reporting participants

Sample C23: ABS/PC & Sample C24: ABS/PC

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

Comments on assigned Data Flags for Test #734

63N93V (X) - Inconsistent in testing between samples and inconsistent in testing within Sample C24.

P83WNM (X) - Data for both samples are high.

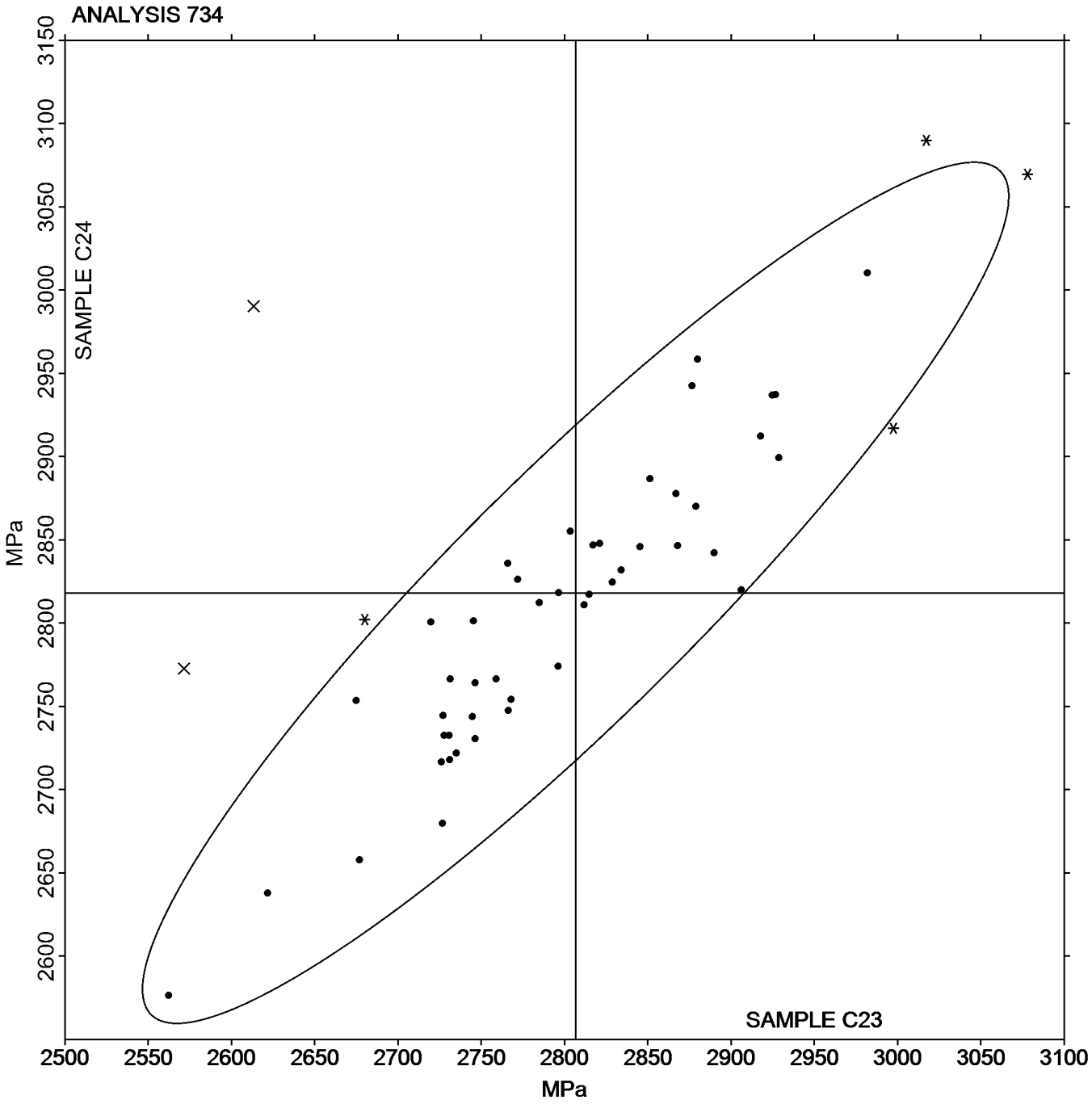
WHZBNL (X) - Inconsistent in testing between samples.

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

Grand Mean Sample C23: 2,806.57 MPa Grand Mean Sample C24: 2,818.26 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

WebCode	Data Flag	Sample J23 Lab Mean	Sample J23 Diff from Grand Mean	Sample J23 CPV	Sample J24 Lab Mean	Sample J24 Diff from Grand Mean	Sample J24 CPV
22V8CH		422.5	1.6	0.09	423.3	3.6	0.19
2JEWVP		400.7	-20.2	-1.11	402.9	-16.9	-0.92
3DAUY2		387.0	-34.0	-1.88	388.0	-31.7	-1.73
3EXXUF		410.2	-10.7	-0.59	407.0	-12.7	-0.69
3HP4K6		441.0	20.0	1.11	440.2	20.4	1.11
3KUME8		420.2	-0.8	-0.04	415.0	-4.8	-0.26
4AGDZZ		436.8	15.9	0.88	435.9	16.1	0.88
4JV36C		407.8	-13.1	-0.73	395.9	-23.9	-1.30
4TWNNJ		405.8	-15.1	-0.83	407.6	-12.2	-0.66
4YJCJP		423.4	2.5	0.14	418.6	-1.2	-0.06
6DFQJJ		410.9	-10.1	-0.56	410.1	-9.6	-0.53
6R89M2		400.9	-20.0	-1.10	401.4	-18.4	-1.00
6YDGFA		383.3	-37.7	-2.08	383.3	-36.5	-1.99
78ZEEV		462.9	42.0	2.32	459.8	40.0	2.18
78ZG4Z		420.3	-0.7	-0.04	417.7	-2.0	-0.11
7NRMTE		422.0	1.1	0.06	423.0	3.3	0.18
8LKFC8		422.7	1.7	0.10	424.0	4.2	0.23
92UQEK		392.0	-28.9	-1.60	402.2	-17.6	-0.96
93EBKV		427.7	6.7	0.37	431.8	12.0	0.65
9A4ADB		422.3	1.4	0.08	409.9	-9.9	-0.54
9J8H2M		437.9	17.0	0.94	444.6	24.8	1.35
9QK4FY		442.0	21.1	1.16	436.8	17.0	0.93
BRHBP2		390.6	-30.3	-1.68	388.9	-30.9	-1.68
BV9FER		438.0	17.0	0.94	441.4	21.7	1.18
BY8WP2	*	471.7	50.7	2.80	462.6	42.9	2.34
C6387P		425.8	4.9	0.27	422.8	3.1	0.17
CCMBDR		417.0	-3.9	-0.22	415.5	-4.3	-0.23
CU4C4B	X	309.3	-111.6	-6.16	311.3	-108.5	-5.91
CU4ETF		419.3	-1.6	-0.09	405.9	-13.9	-0.76
DDUZVH		405.2	-15.7	-0.87	401.8	-18.0	-0.98
DR7HJC		436.5	15.6	0.86	436.9	17.1	0.93
EE9PZT		452.4	31.5	1.74	453.6	33.8	1.84

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

WebCode	Data Flag	Sample J23 Lab Mean	Sample J23 Diff from Grand Mean	Sample J23 CPV	Sample J24 Lab Mean	Sample J24 Diff from Grand Mean	Sample J24 CPV
FHTBW8	*	410.8	-10.1	-0.56	427.6	7.9	0.43
FP63PR		432.9	12.0	0.66	431.1	11.3	0.62
FQAMA9		395.8	-25.1	-1.39	391.5	-28.2	-1.54
GKXBG6		437.7	16.8	0.93	437.5	17.7	0.97
HEWDVK		433.3	12.4	0.68	435.3	15.5	0.85
HK9KX4	*	405.8	-15.1	-0.84	420.6	0.9	0.05
HYVUK9		433.1	12.2	0.67	431.0	11.3	0.61
JKGNDT		418.7	-2.2	-0.12	416.1	-3.6	-0.20
JKGTYH	X	327.2	-93.7	-5.17	327.2	-92.5	-5.04
JPMG46		391.6	-29.4	-1.62	393.0	-26.7	-1.46
JWKACY		406.0	-14.9	-0.82	404.4	-15.4	-0.84
JZKBKA		409.8	-11.1	-0.61	415.4	-4.3	-0.24
K34UU6		414.3	-6.6	-0.37	410.7	-9.1	-0.49
M4G2KH		447.9	27.0	1.49	444.7	25.0	1.36
MLJUBQ	*	423.0	2.1	0.11	405.0	-14.8	-0.81
P8MHHY		427.9	7.0	0.39	428.0	8.2	0.45
P8QVA2		419.3	-1.6	-0.09	423.2	3.4	0.19
PWKARD		429.2	8.2	0.45	428.0	8.3	0.45
RFVMVE	X	345.7	-75.3	-4.15	265.8	-154.0	-8.39
RNWVLE		419.8	-1.1	-0.06	420.6	0.9	0.05
TA6JDA		431.2	10.3	0.57	434.8	15.0	0.82
UXKPG8		416.4	-4.5	-0.25	413.9	-5.9	-0.32
UXZ9XK		429.7	8.7	0.48	430.7	11.0	0.60
VCEQDR		418.6	-2.3	-0.13	417.6	-2.2	-0.12
VCJV9G		452.8	31.9	1.76	453.1	33.4	1.82
VLRLWD		409.9	-11.0	-0.61	404.9	-14.9	-0.81
VQ84ZG		418.0	-2.9	-0.16	406.7	-13.1	-0.71
XH29ZF		436.3	15.4	0.85	435.8	16.0	0.87
XLK6N6		415.3	-5.6	-0.31	414.9	-4.9	-0.27
YL9BXH		416.7	-4.2	-0.23	411.6	-8.1	-0.44
ZQ9PG4		397.0	-23.9	-1.32	389.5	-30.2	-1.65

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

Summary Statistics

Grand Means				
	420.93	ksi	419.76	ksi
Stnd Dev Btwn Labs				
	18.11	ksi	18.35	ksi

Statistics based on 60 of 63 reporting participants

Sample J23: ABS/PC & Sample J24: ABS/PC

Comments on assigned Data Flags for Test #720

CU4C4B (X) - Data for both samples are low.

JKGTYH (X) - Data for both samples are low.

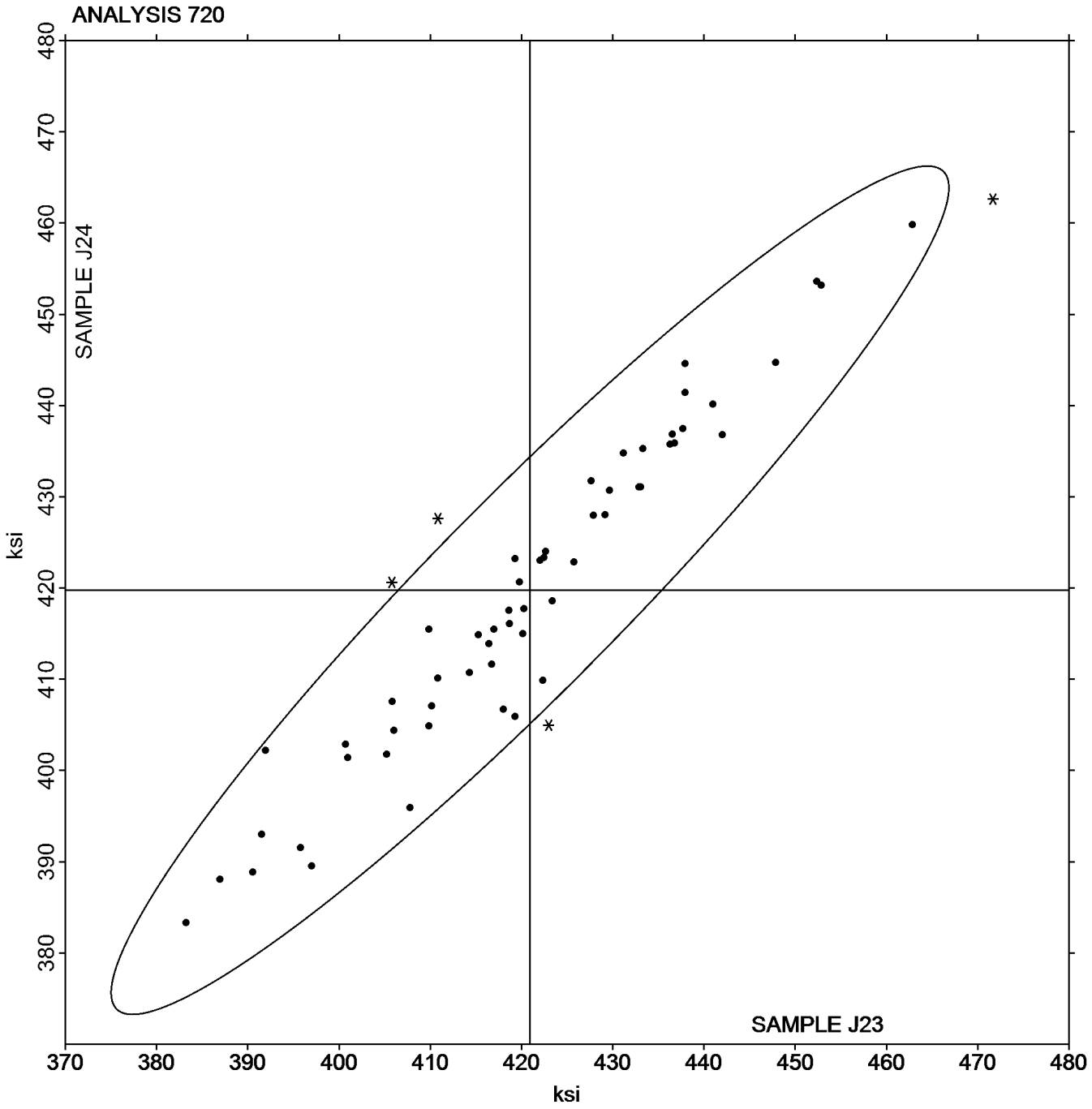
RFVMVE (X) - Data for both samples are low. Also Inconsistent in testing within both samples.

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

Grand Mean Sample J23: 420.93 ksi Grand Mean Sample J24: 419.76 ksi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 721

Flexural Stress at 5% Strain - psi

WebCode	Data Flag	Sample J23 Lab Mean	Sample J23 Diff from Grand Mean	Sample J23 CPV	Sample J24 Lab Mean	Sample J24 Diff from Grand Mean	Sample J24 CPV
22V8CH		14,735	66	0.13	14,880	239	0.49
2JEWVP		14,228	-440	-0.90	14,365	-276	-0.57
3EXXUF		15,029	360	0.74	14,872	231	0.48
3HP4K6		14,854	185	0.38	14,829	188	0.39
3KUME8	*	14,817	148	0.30	14,364	-277	-0.57
4AGDZZ		15,108	439	0.90	14,935	294	0.60
4JV36C		13,576	-1,093	-2.23	13,541	-1,100	-2.26
4TWNNJ		14,463	-205	-0.42	14,568	-73	-0.15
6DFQJJ		14,490	-179	-0.36	14,437	-204	-0.42
6R89M2		14,510	-158	-0.32	14,603	-38	-0.08
6YDGFA		15,461	793	1.62	15,396	755	1.55
78ZG4Z		14,762	94	0.19	14,505	-136	-0.28
7NRMTE		14,669	0	0.00	14,672	31	0.06
8DUU7A		14,177	-491	-1.00	14,115	-526	-1.08
8LKFC8		14,252	-416	-0.85	14,212	-429	-0.88
92UQEK	*	14,316	-353	-0.72	14,734	93	0.19
9A4ADB		14,880	211	0.43	14,808	167	0.34
9J8H2M	*	15,123	454	0.93	15,464	823	1.69
BRHBP2		13,814	-855	-1.74	13,700	-941	-1.93
BY8WP2		15,387	718	1.47	15,222	581	1.20
C6387P		15,029	360	0.74	14,855	214	0.44
CU4C4B	*	13,188	-1,481	-3.02	13,311	-1,330	-2.74
CU4ETF		14,823	155	0.32	14,852	211	0.43
DR7HJC		14,935	267	0.54	15,050	409	0.84
FHTBW8		15,135	466	0.95	14,937	296	0.61
FP63PR		14,971	302	0.62	14,940	299	0.61
FQAMA9		14,027	-642	-1.31	14,107	-534	-1.10
GKXBG6		14,630	-38	-0.08	14,732	91	0.19
HEWDVK		15,106	437	0.89	15,304	663	1.36
HYVUK9		15,133	465	0.95	15,057	416	0.86
JKGNDT		14,708	40	0.08	14,533	-108	-0.22
JPMG46		14,360	-308	-0.63	14,432	-209	-0.43

Plastics Interlaboratory Testing Program

Analysis 721

Flexural Stress at 5% Strain - psi

WebCode	Data Flag	Sample J23 Lab Mean	Sample J23 Diff from Grand Mean	Sample J23 CPV	Sample J24 Lab Mean	Sample J24 Diff from Grand Mean	Sample J24 CPV
JWKACY		14,811	143	0.29	14,823	182	0.37
JZKBKA		14,534	-134	-0.27	14,420	-221	-0.45
K34UU6		14,823	155	0.32	14,633	-8	-0.02
M4G2KH		15,284	616	1.26	15,163	522	1.07
MLJUBQ		14,609	-59	-0.12	14,194	-447	-0.92
P8MHHY		15,044	376	0.77	15,029	388	0.80
P8QVA2		14,869	200	0.41	14,848	207	0.43
RFVMVE	X	14,072	-597	-1.22	11,570	-3,071	-6.32
RNWVLE		14,657	-11	-0.02	14,818	177	0.36
TA6JDA		13,748	-921	-1.88	13,791	-850	-1.75
UXKPG8		14,191	-478	-0.97	14,025	-616	-1.27
VCEQDR		14,756	87	0.18	14,780	139	0.29
VCJV9G		15,058	390	0.79	15,160	519	1.07
VLRLWD		14,686	17	0.03	14,613	-28	-0.06
XH29ZF		14,981	313	0.64	14,917	276	0.57
XLK6N6		13,729	-939	-1.92	13,707	-934	-1.92
YL9BXH		14,973	305	0.62	14,929	288	0.59
ZQ9PG4		15,307	639	1.30	15,231	590	1.21

Summary Statistics

	Sample J23	Sample J24
Grand Means	14,668.5 psi	14,641.1 psi
Stnd Dev Btwn Labs	490.1 psi	486.1 psi

Statistics based on 49 of 50 reporting participants

Sample J23: ABS/PC & Sample J24: ABS/PC

Comments on assigned Data Flags for Test #721

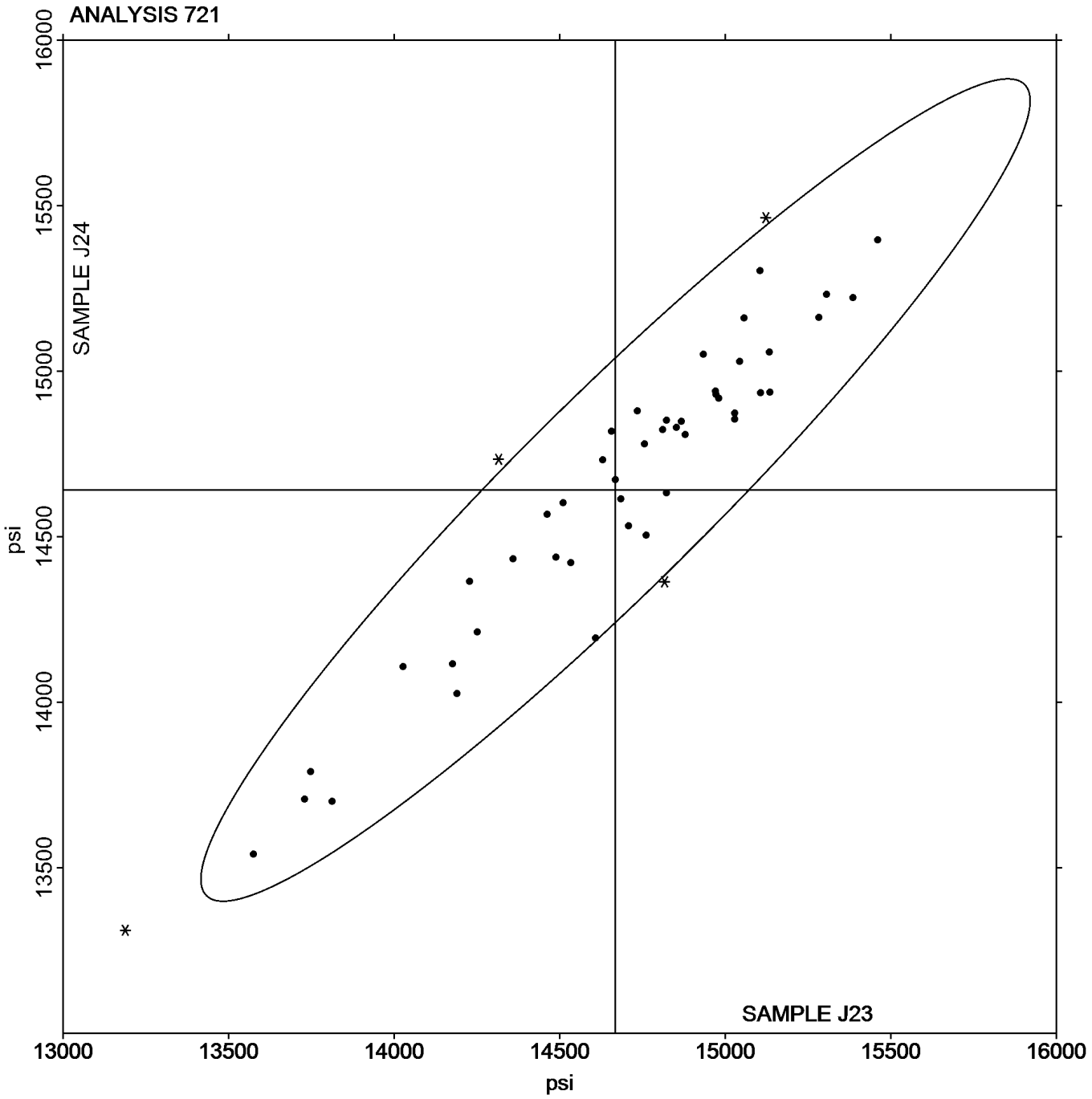
RFVMVE (X) - Inconsistent in testing between samples, data for Sample J24 are low. Also Inconsistent in testing within both samples.

Plastics Interlaboratory Testing Program

Analysis 721

Flexural Stress at 5% Strain - psi

Grand Mean Sample J23: 14,668.46 psi Grand Mean Sample J24: 14,641.08 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 722

Flexural Stress at Yield - psi

WebCode	Data Flag	Sample J23 Lab Mean	Sample J23 Diff from Grand Mean	Sample J23 CPV	Sample J24 Lab Mean	Sample J24 Diff from Grand Mean	Sample J24 CPV
22V8CH		14,853	145	0.28	14,892	224	0.44
2JEWVP		14,231	-477	-0.93	14,368	-300	-0.58
3DAUY2		13,876	-832	-1.62	13,826	-841	-1.64
3EXXUF		15,058	350	0.68	14,933	266	0.52
3HP4K6		14,857	149	0.29	14,831	164	0.32
3KUME8		14,852	144	0.28	14,409	-259	-0.50
4AGDZZ		15,108	400	0.78	14,935	268	0.52
4JV36C		13,579	-1,129	-2.20	13,547	-1,120	-2.18
4TWNNJ		14,620	-88	-0.17	14,707	40	0.08
4YJCJP		14,740	32	0.06	14,560	-107	-0.21
6DFQJJ		14,508	-200	-0.39	14,452	-215	-0.42
6R89M2		14,548	-160	-0.31	14,632	-35	-0.07
6YDGFA		15,461	753	1.47	15,396	729	1.42
78ZG4Z		14,769	61	0.12	14,522	-146	-0.28
7NRMTE		14,719	11	0.02	14,700	33	0.06
8DUU7A		14,207	-501	-0.98	14,137	-530	-1.03
92UQEK	*	14,262	-446	-0.87	14,684	17	0.03
93EBKV		15,258	550	1.07	15,374	707	1.38
9A4ADB		14,907	199	0.39	14,818	150	0.29
9J8H2M		15,130	422	0.82	15,472	804	1.57
9QK4FY		14,956	248	0.48	14,751	84	0.16
BRHBP2		13,868	-840	-1.64	13,712	-956	-1.86
BV9FER		15,258	550	1.07	15,345	678	1.32
C6387P		15,107	399	0.78	14,942	275	0.53
CU4C4B		13,585	-1,123	-2.19	13,738	-929	-1.81
CU4ETF		14,823	115	0.22	14,794	127	0.25
DR7HJC		14,945	237	0.46	15,065	398	0.77
EE9PZT		13,977	-731	-1.42	14,038	-629	-1.23
FHTBW8		15,159	451	0.88	14,984	316	0.62
FP63PR		14,989	281	0.55	14,978	311	0.60
FQAMA9		14,054	-654	-1.28	14,173	-494	-0.96
GKXBG6		14,632	-76	-0.15	14,739	72	0.14

Plastics Interlaboratory Testing Program

Analysis 722

Flexural Stress at Yield - psi

WebCode	Data Flag	Sample J23 Lab Mean	Sample J23 Diff from Grand Mean	Sample J23 CPV	Sample J24 Lab Mean	Sample J24 Diff from Grand Mean	Sample J24 CPV
HEWDVK		15,114	406	0.79	15,314	647	1.26
HK9KX4	*	14,986	278	0.54	14,410	-257	-0.50
HYVUK9		15,813	1,105	2.16	15,725	1,058	2.06
JKGNDT		14,763	55	0.11	14,544	-124	-0.24
JKGTYH	X	11,870	-2,838	-5.54	11,760	-2,908	-5.66
JPMG46		14,404	-304	-0.59	14,490	-177	-0.35
JZKBKA		14,597	-111	-0.22	14,456	-212	-0.41
K34UU6		14,839	131	0.26	14,636	-31	-0.06
M4G2KH		15,300	592	1.15	15,171	503	0.98
MLJUBQ		14,616	-92	-0.18	14,200	-468	-0.91
P8MHHY		15,104	396	0.77	15,074	407	0.79
P8QVA2		14,888	180	0.35	14,923	256	0.50
PWKARD		14,583	-125	-0.24	14,554	-114	-0.22
RFVMVE	X	14,435	-273	-0.53	12,435	-2,233	-4.35
TA6JDA		13,518	-1,190	-2.32	13,572	-1,095	-2.13
UXKPG8		14,208	-500	-0.98	14,063	-604	-1.18
UXZ9XK		15,300	592	1.16	15,293	625	1.22
VCEQDR		14,785	77	0.15	14,800	133	0.26
VCJV9G		15,062	354	0.69	15,172	505	0.98
VLRLWD		14,706	-2	0.00	14,617	-50	-0.10
XH29ZF		14,983	275	0.54	14,941	273	0.53
XLK6N6		13,734	-974	-1.90	13,713	-954	-1.86
ZQ9PG4		15,324	616	1.20	15,247	580	1.13

Summary Statistics

	Sample J23	Sample J24
Grand Means	14,708.0 psi	14,667.4 psi
Stnd Dev Btwn Labs	512.7 psi	513.3 psi

Statistics based on 53 of 55 reporting participants

Sample J23: ABS/PC & Sample J24: ABS/PC

Plastics Interlaboratory Testing Program

Analysis 722

Flexural Stress at Yield - psi

Comments on assigned Data Flags for Test #722

JKGTYH (X) - Data for both samples are low.

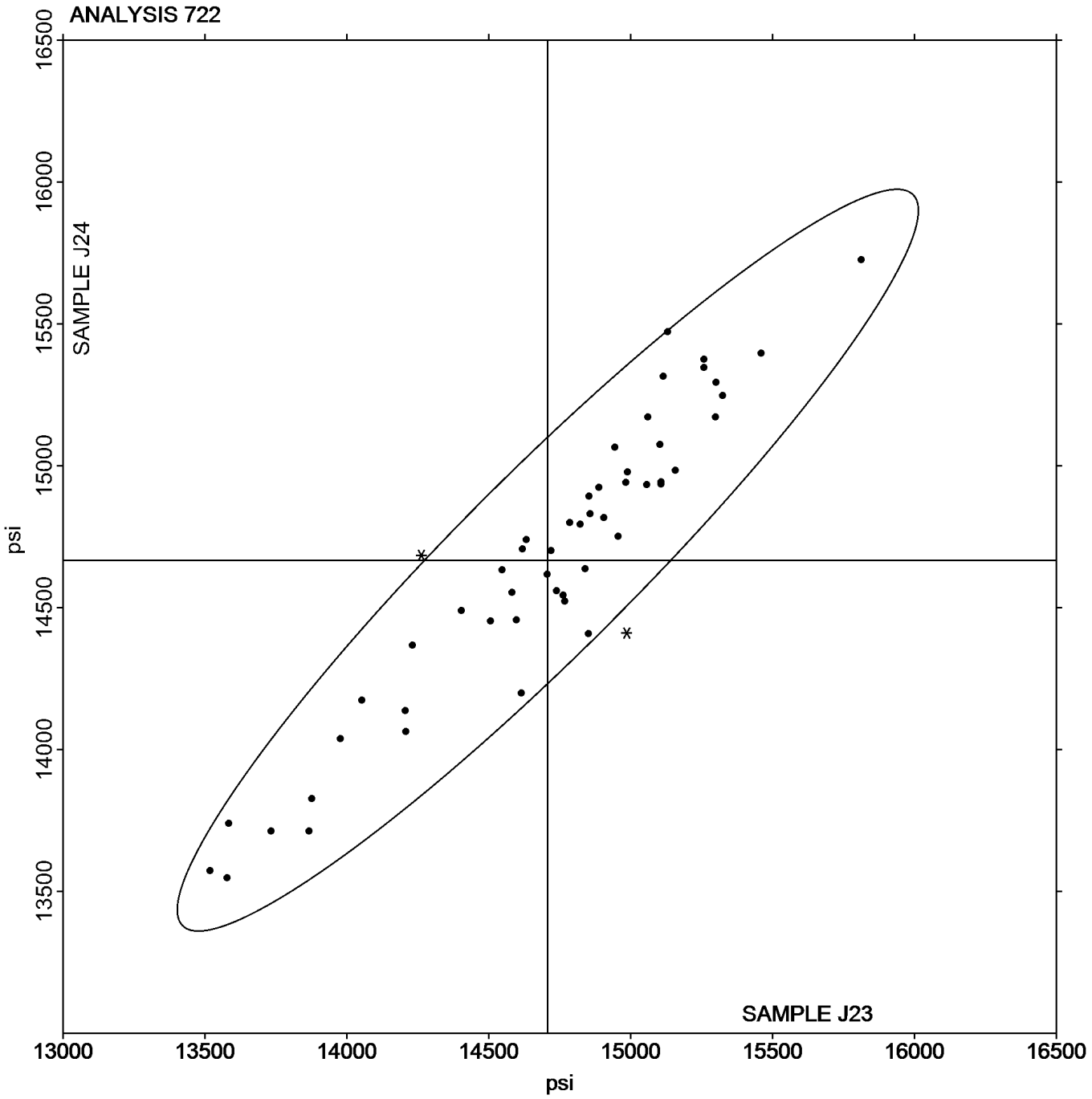
RFVMVE (X) - Inconsistent in testing between samples, data for Sample J24 are low. Also Inconsistent in testing within both samples.

Plastics Interlaboratory Testing Program

Analysis 722

Flexural Stress at Yield - psi

Grand Mean Sample J23: 14,708.04 psi Grand Mean Sample J24: 14,667.37 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 736

Flexural Modulus - MPa

WebCode	Data Flag	Sample K23 Lab Mean	Sample K23 Diff from Grand Mean	Sample K23 CPV	Sample K24 Lab Mean	Sample K24 Diff from Grand Mean	Sample K24 CPV
2JEWVP		2,776	-52	-0.52	2,803	-27	-0.27
2WNK3Z		2,812	-16	-0.16	2,834	5	0.05
4HFTUD		2,671	-157	-1.56	2,697	-133	-1.34
4KVNBQ		2,843	14	0.14	2,843	14	0.14
63N93V	*	2,718	-111	-1.10	2,675	-155	-1.56
6DFQJJ		2,769	-60	-0.59	2,757	-72	-0.73
6JLDHD		2,723	-106	-1.05	2,740	-89	-0.90
6TJ2MV		2,874	46	0.46	2,911	82	0.82
7FQYKU		2,857	28	0.28	2,863	33	0.34
9A4ADB		2,758	-71	-0.70	2,760	-69	-0.70
9BADNR		2,765	-64	-0.63	2,757	-72	-0.73
9J8H2M		2,957	128	1.28	2,951	122	1.23
9QK4FY		2,880	52	0.51	2,880	50	0.51
9WN87X		2,891	62	0.62	2,890	60	0.61
A769XD		2,872	44	0.43	2,914	84	0.85
AWADR3		3,049	221	2.20	3,047	217	2.19
BRHBP2	X	2,791	-37	-0.37	2,902	73	0.73
C47KU9		2,756	-72	-0.72	2,757	-72	-0.73
CU4C4B	X	2,480	-349	-3.47	2,455	-374	-3.78
DAVJTA		2,774	-54	-0.54	2,763	-66	-0.67
DVDUM8		2,876	47	0.47	2,873	43	0.44
DWM4CJ		3,047	219	2.18	3,036	207	2.09
E6CTQX		2,837	9	0.09	2,831	2	0.02
F2H9VR	X	2,886	58	0.57	2,801	-28	-0.28
FP63PR		2,663	-165	-1.65	2,670	-159	-1.61
FQVAPV		2,905	76	0.76	2,905	76	0.77
GGK9U9		2,891	63	0.63	2,856	26	0.27
HB9UG3		2,799	-30	-0.29	2,798	-31	-0.31
JEM228		2,950	122	1.21	2,922	93	0.93
NLDVKM		2,839	10	0.10	2,848	19	0.19
P83WNM		3,027	198	1.97	3,030	201	2.02
QJKMKA		2,694	-134	-1.33	2,704	-126	-1.27

Plastics Interlaboratory Testing Program

Analysis 736

Flexural Modulus - MPa

WebCode	Data Flag	Sample K23 Lab Mean	Sample K23 Diff from Grand Mean	Sample K23 CPV	Sample K24 Lab Mean	Sample K24 Diff from Grand Mean	Sample K24 CPV
QRYCJH		2,788	-40	-0.40	2,775	-54	-0.55
R4K4AC		2,802	-26	-0.26	2,785	-44	-0.45
RFVMVE		2,946	118	1.17	2,941	111	1.12
UYH6MC		2,825	-3	-0.03	2,823	-6	-0.06
VD6YDV		2,775	-53	-0.53	2,742	-87	-0.88
VPUDC7		2,800	-28	-0.28	2,823	-7	-0.07
WC6XLC		2,952	123	1.22	2,943	113	1.14
WHZBNL	X	2,277	-552	-5.48	2,424	-405	-4.09
WQC688		2,750	-78	-0.78	2,797	-32	-0.32
WUJACG		2,717	-111	-1.11	2,717	-112	-1.13
XH29ZF		2,681	-147	-1.46	2,685	-145	-1.46

Summary Statistics

	Sample K23	Sample K24
Grand Means	2,828.4 MPa	2,829.4 MPa
Stnd Dev Btwn Labs	100.6 MPa	99.1 MPa

Statistics based on 39 of 43 reporting participants

Sample K23: ABS/PC & Sample K24: ABS/PC

Comments on assigned Data Flags for Test #736

BRHBP2 (X) - Inconsistent in testing between samples and inconsistent in testing within Sample K23.

CU4C4B (X) - Data for both samples are low.

F2H9VR (X) - Inconsistent in testing between samples and inconsistent in testing within Sample K24.

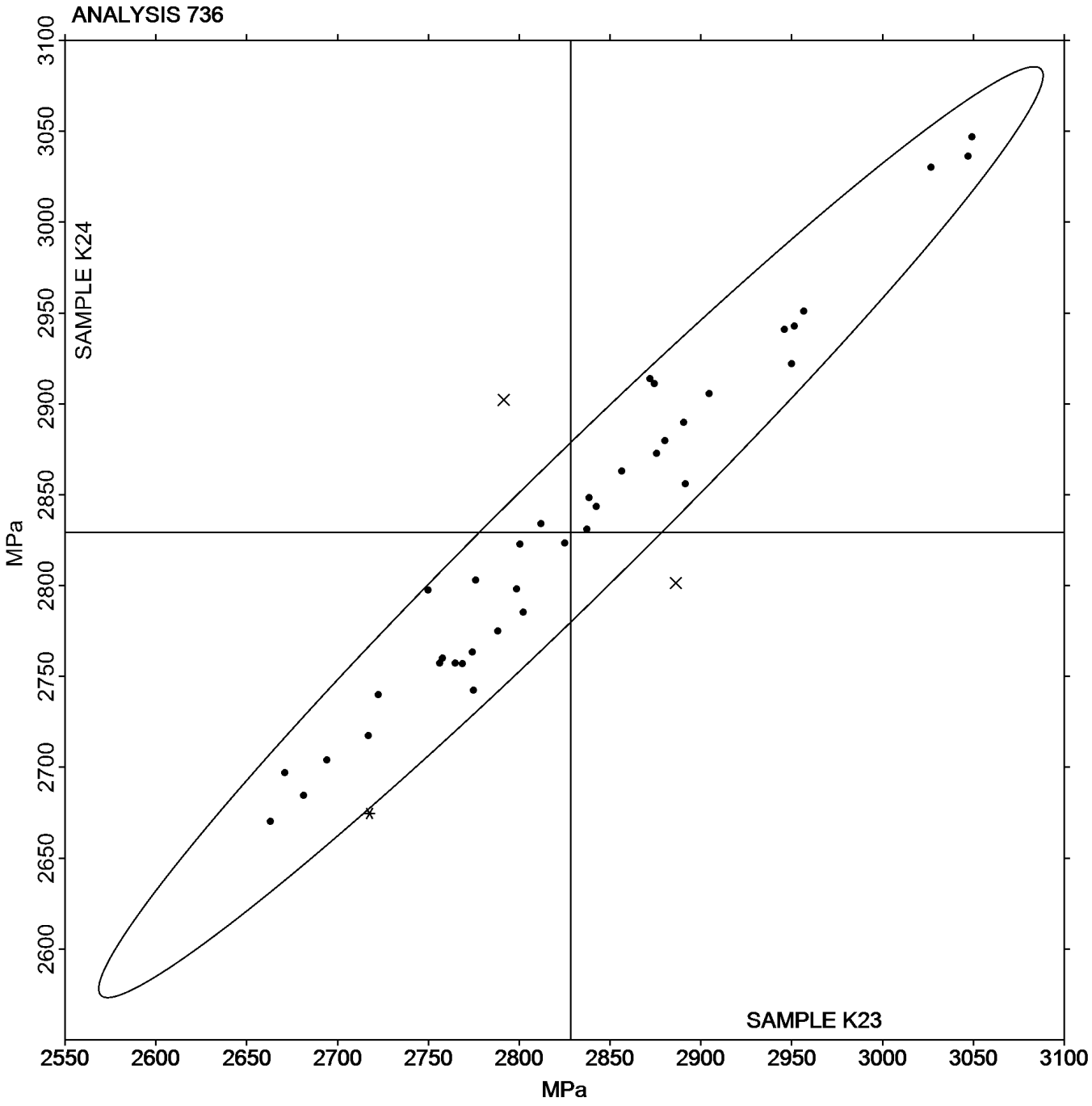
WHZBNL (X) - Data for both samples are low. Also Inconsistent in testing within both samples.

Plastics Interlaboratory Testing Program

Analysis 736

Flexural Modulus - MPa

Grand Mean Sample K23: 2,828.43 MPa Grand Mean Sample K24: 2,829.40 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 737

Flexural Stress at 3.5% Strain - MPa

WebCode	Data Flag	Sample K23 Lab Mean	Sample K23 Diff from Grand Mean	Sample K23 CPV	Sample K24 Lab Mean	Sample K24 Diff from Grand Mean	Sample K24 CPV
2JEWVP		90.60	0.64	0.26	90.64	0.66	0.27
4HFTUD	X	4.97	-84.99	-34.08	4.97	-85.00	-34.28
4KVNBQ		88.95	-1.01	-0.40	89.25	-0.73	-0.29
63N93V		88.44	-1.52	-0.61	88.08	-1.89	-0.76
6DFQJJ		86.62	-3.33	-1.34	86.37	-3.61	-1.45
6JLDHD		89.12	-0.84	-0.34	89.77	-0.21	-0.08
6TJ2MV		89.37	-0.59	-0.24	89.98	0.01	0.00
7FQYKU		90.85	0.89	0.36	91.20	1.22	0.49
9A4ADB		87.40	-2.56	-1.03	87.20	-2.78	-1.12
9J8H2M		92.71	2.75	1.10	92.81	2.84	1.14
9WN87X		90.93	0.98	0.39	91.24	1.26	0.51
A769XD		89.93	-0.03	-0.01	90.35	0.37	0.15
AWADR3		94.06	4.10	1.64	93.32	3.35	1.35
BRHBP2	X	88.20	-1.76	-0.71	91.41	1.44	0.58
C47KU9		91.96	2.01	0.81	92.12	2.14	0.86
CU4C4B	*	84.40	-5.56	-2.23	83.91	-6.06	-2.44
DAVJTA		88.98	-0.98	-0.39	88.16	-1.82	-0.73
DVDUM8		88.51	-1.44	-0.58	88.31	-1.67	-0.67
DWM4CJ	*	96.20	6.24	2.50	95.60	5.62	2.27
FP63PR		89.05	-0.91	-0.36	89.26	-0.72	-0.29
FQVAPV		90.73	0.78	0.31	90.62	0.65	0.26
HB9UG3	X	78.45	-11.51	-4.62	78.64	-11.34	-4.57
JEM228		94.12	4.17	1.67	93.60	3.63	1.46
NLDVKM		88.83	-1.12	-0.45	89.35	-0.63	-0.25
P83WNM		93.24	3.29	1.32	93.50	3.53	1.42
QJKMKA		90.82	0.87	0.35	90.92	0.95	0.38
QRYCJH		86.81	-3.15	-1.26	86.43	-3.54	-1.43
R4K4AC		90.90	0.94	0.38	90.83	0.86	0.35
RFVMVE		92.30	2.35	0.94	92.06	2.08	0.84
UYH6MC		89.40	-0.55	-0.22	89.47	-0.51	-0.20
VD6YDV		89.70	-0.26	-0.10	89.50	-0.47	-0.19
VPUDC7		88.44	-1.52	-0.61	89.12	-0.85	-0.34

Plastics Interlaboratory Testing Program

Analysis 737

Flexural Stress at 3.5% Strain - MPa

WebCode	Data Flag	Sample K23 Lab Mean	Sample K23 Diff from Grand Mean	Sample K23 CPV	Sample K24 Lab Mean	Sample K24 Diff from Grand Mean	Sample K24 CPV
WC6XLC		91.57	1.61	0.65	91.33	1.36	0.55
WHZBNL		84.90	-5.06	-2.03	84.78	-5.20	-2.10
WQC688		89.78	-0.18	-0.07	90.63	0.65	0.26
WUJACG		89.87	-0.09	-0.04	89.89	-0.09	-0.04
XH29ZF		89.01	-0.94	-0.38	89.57	-0.40	-0.16

Summary Statistics

	Sample K23	Sample K24
Grand Means	89.956 MPa	89.976 MPa
Stnd Dev Btwn Labs	2.494 MPa	2.480 MPa

Statistics based on 34 of 37 reporting participants

Sample K23: ABS/PC & Sample K24: ABS/PC

Comments on assigned Data Flags for Test #737

4HFTUD (X) - Data for both samples are low.

BRHBP2 (X) - Inconsistent in testing between samples and inconsistent in testing within both samples.

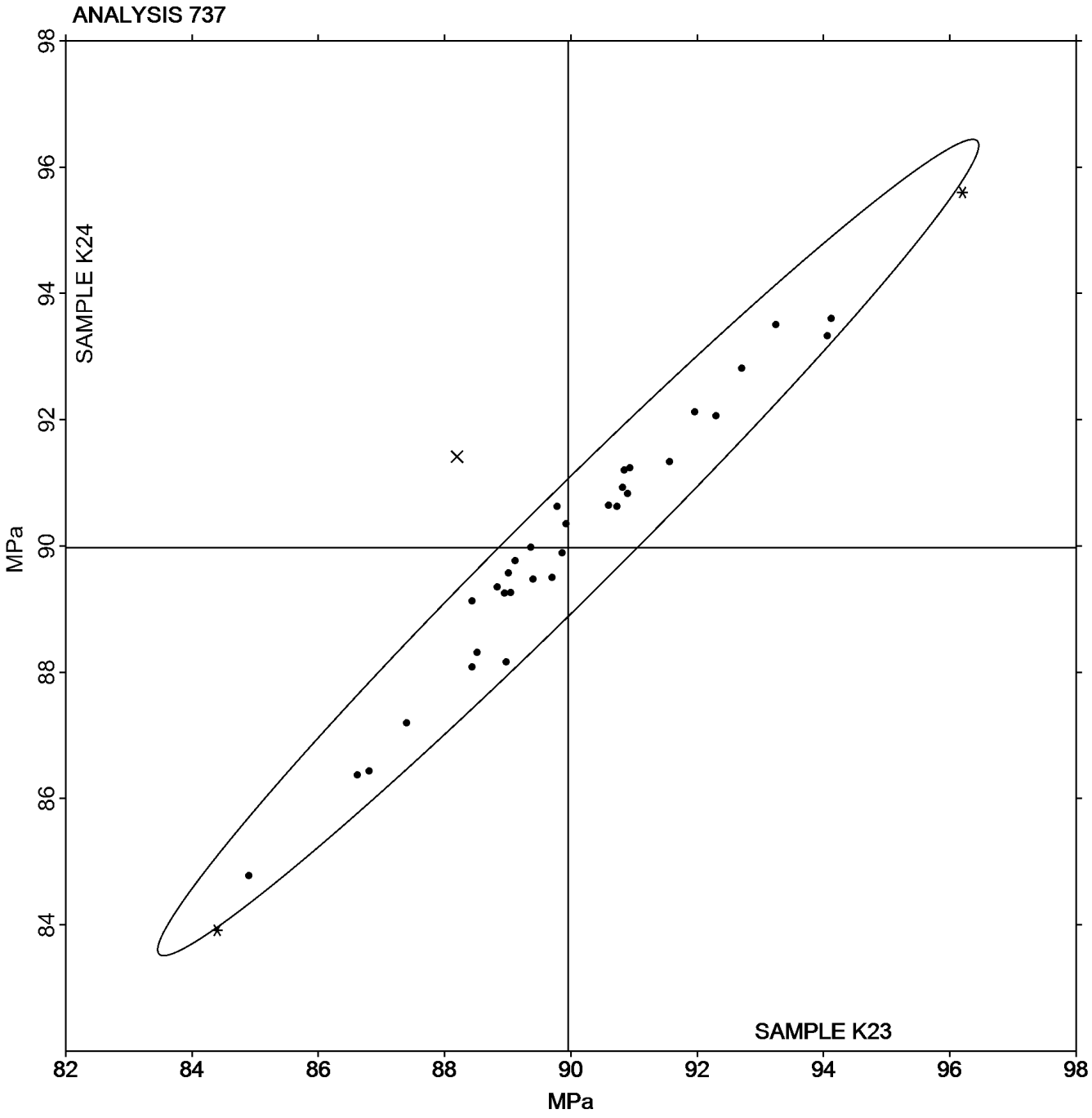
HB9UG3 (X) - Data for both samples are low.

Plastics Interlaboratory Testing Program

Analysis 737

Flexural Stress at 3.5% Strain - MPa

Grand Mean Sample K23: 89.956 MPa Grand Mean Sample K24: 89.976 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 738

Flexural Stress at Yield - MPa

WebCode	Data Flag	Sample K23 Lab Mean	Sample K23 Diff from Grand Mean	Sample K23 CPV	Sample K24 Lab Mean	Sample K24 Diff from Grand Mean	Sample K24 CPV
2JEWVP		99.82	2.07	0.71	100.06	2.04	0.72
4HFTUD		98.70	0.95	0.32	98.45	0.43	0.15
4KVNBQ		97.15	-0.59	-0.20	97.61	-0.41	-0.14
63N93V		97.72	-0.03	-0.01	97.70	-0.32	-0.11
6DFQJJ		96.10	-1.65	-0.56	96.41	-1.61	-0.56
6JLDHD		97.43	-0.32	-0.11	98.00	-0.02	-0.01
6TJ2MV		96.35	-1.39	-0.48	97.26	-0.76	-0.27
7FQYKU		99.71	1.96	0.67	99.90	1.88	0.66
9A4ADB		97.16	-0.59	-0.20	97.02	-0.99	-0.35
9J8H2M		102.12	4.37	1.50	102.50	4.48	1.57
9QK4FY		97.84	0.09	0.03	98.71	0.69	0.24
9WN87X		99.40	1.65	0.57	99.95	1.93	0.68
A769XD		98.45	0.70	0.24	99.36	1.34	0.47
AWADR3		99.58	1.83	0.63	98.85	0.84	0.29
BRHBP2	*	97.30	-0.45	-0.15	99.21	1.19	0.42
C47KU9		101.86	4.12	1.41	102.25	4.23	1.49
CU4C4B		97.38	-0.37	-0.13	97.48	-0.54	-0.19
DAVJTA		97.52	-0.23	-0.08	97.38	-0.64	-0.22
DWM4CJ	*	104.20	6.45	2.21	103.40	5.38	1.89
E6CTQX		91.98	-5.77	-1.98	92.22	-5.80	-2.03
FP63PR		97.91	0.16	0.05	97.82	-0.20	-0.07
GGK9U9		99.37	1.62	0.56	100.03	2.01	0.71
HB9UG3		95.39	-2.35	-0.81	95.74	-2.28	-0.80
JEM228		102.21	4.46	1.53	102.68	4.66	1.64
NLDVKM		96.73	-1.02	-0.35	97.31	-0.71	-0.25
P83WNM	M	98.76	1.01	0.35	No data reported for this sample		
QJKMKA		99.87	2.12	0.73	99.65	1.63	0.57
QRYCJH		95.19	-2.55	-0.87	94.51	-3.50	-1.23
RFVMVE		96.37	-1.37	-0.47	95.83	-2.19	-0.77
UYH6MC		97.62	-0.13	-0.05	98.28	0.26	0.09
VD6YDV		98.47	0.72	0.25	98.18	0.16	0.06
VPUDC7	*	88.44	-9.31	-3.19	89.12	-8.89	-3.12

Plastics Interlaboratory Testing Program

Analysis 738

Flexural Stress at Yield - MPa

WebCode	Data Flag	Sample K23 Lab Mean	Sample K23 Diff from Grand Mean	Sample K23 CPV	Sample K24 Lab Mean	Sample K24 Diff from Grand Mean	Sample K24 CPV
WC6XLC		95.68	-2.07	-0.71	95.55	-2.46	-0.86
WHZBNL		92.99	-4.75	-1.63	94.08	-3.94	-1.38
WUJACG		98.82	1.07	0.37	99.21	1.19	0.42
XH29ZF		98.33	0.59	0.20	98.87	0.85	0.30

Summary Statistics

	Sample K23	Sample K24
Grand Means	97.748 MPa	98.015 MPa
Stnd Dev Btwn Labs	2.920 MPa	2.848 MPa

Statistics based on 35 of 36 reporting participants

Sample K23: ABS/PC & Sample K24: ABS/PC

Comments on assigned Data Flags for Test #738

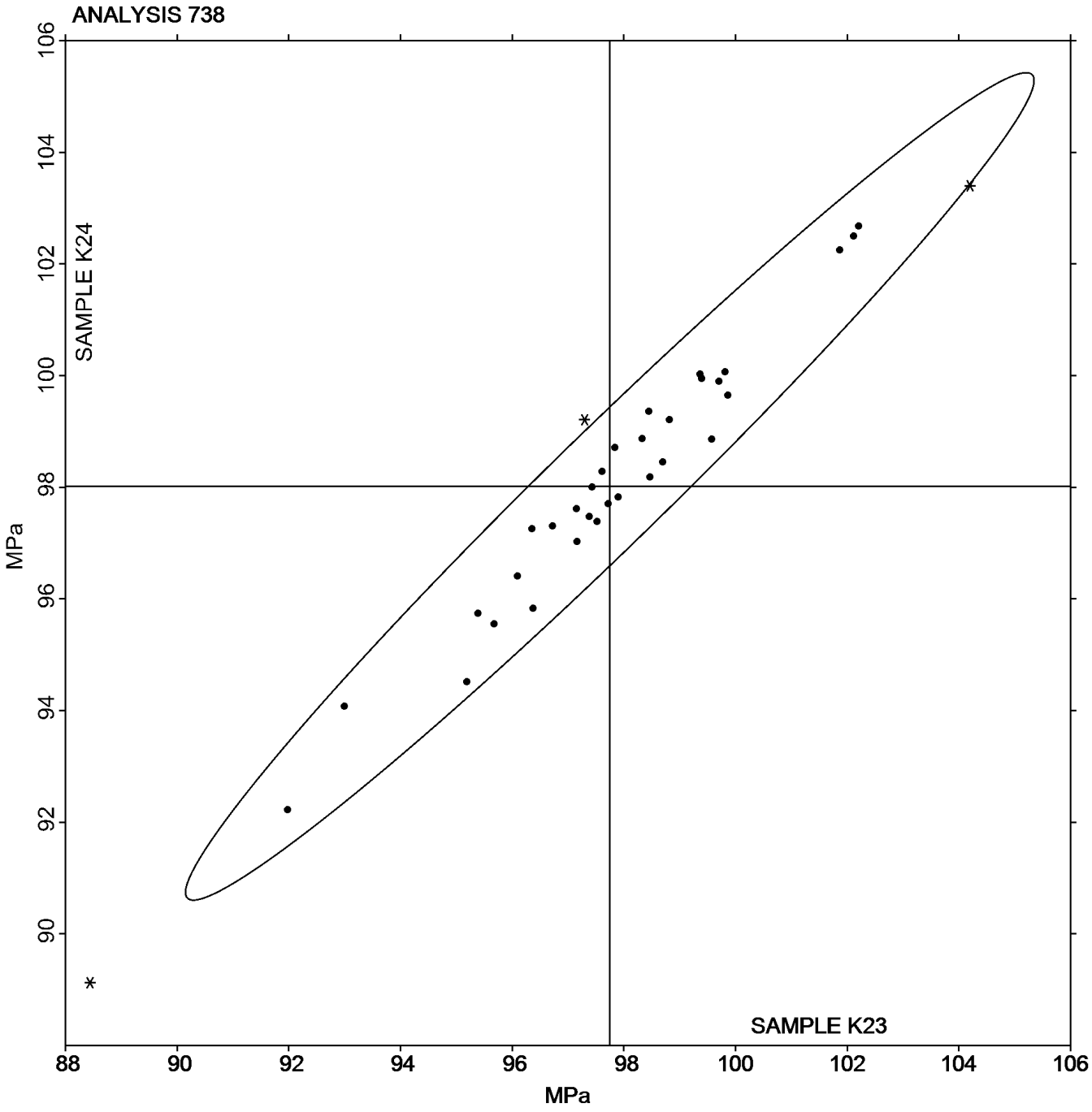
P83WNM (M) - Laboratory did not submit data for Sample K24.

Plastics Interlaboratory Testing Program

Analysis 738

Flexural Stress at Yield - MPa

Grand Mean Sample K23: 97.748 MPa Grand Mean Sample K24: 98.015 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

WebCode	Data Flag	Sample S23 Lab Mean	Sample S23 Diff from Grand Mean	Sample S23 CPV	Sample S24 Lab Mean	Sample S24 Diff from Grand Mean	Sample S24 CPV	Instr Code
2JEWVP		2.79	-0.19	-0.54	2.68	-0.29	-0.83	TY
3DAUY2		3.32	0.34	0.99	3.27	0.30	0.85	TM
3HHZKL		2.29	-0.69	-1.98	2.30	-0.67	-1.93	TO
4YJCJP		2.90	-0.07	-0.21	2.75	-0.21	-0.62	TM
6DFQJJ		2.88	-0.10	-0.28	2.67	-0.30	-0.87	TO
6R89M2		3.02	0.04	0.13	2.75	-0.22	-0.64	CS
6TJ2MV		2.38	-0.59	-1.71	2.51	-0.46	-1.32	TO
6YDGFA		2.51	-0.47	-1.36	2.54	-0.43	-1.23	WZ
7FQYKU		3.15	0.17	0.49	3.02	0.05	0.15	TM
87KEU7		2.87	-0.10	-0.30	2.85	-0.12	-0.35	TO
93EBKV		2.84	-0.13	-0.39	2.99	0.02	0.05	TO
9A4ADB		3.02	0.04	0.12	3.08	0.11	0.33	TM
9E9RAW		2.94	-0.03	-0.09	2.81	-0.16	-0.46	TO
9QK4FY		2.99	0.01	0.04	2.83	-0.14	-0.41	CE
A769XD		2.86	-0.12	-0.34	3.00	0.03	0.08	CS
BRHBP2		3.39	0.41	1.20	3.12	0.15	0.44	TM
BV9FER		2.96	-0.01	-0.04	2.94	-0.03	-0.08	CE
BY8WP2		2.76	-0.22	-0.63	2.73	-0.24	-0.68	CE
CU4C4B		2.83	-0.14	-0.42	2.81	-0.16	-0.45	CE
DDUZVH		3.00	0.02	0.07	3.17	0.20	0.58	XX
DR7HJC		3.67	0.70	2.02	3.58	0.61	1.77	CE
EE9PZT		2.95	-0.02	-0.06	2.96	0.00	-0.01	CE
EGNEWC		3.57	0.59	1.71	3.62	0.65	1.88	TO
FJDRFT		2.57	-0.40	-1.16	2.74	-0.23	-0.65	TM
FP63PR		3.13	0.16	0.45	3.06	0.09	0.25	WZ
GH2JWK		3.07	0.09	0.27	2.87	-0.10	-0.29	TM
GKXBG6		3.09	0.11	0.32	3.13	0.16	0.46	TO
GNZCG2	X	2.02	-0.96	-2.77	1.38	-1.59	-4.59	TO
HK9KX4		2.63	-0.35	-1.01	2.73	-0.23	-0.68	TM
J3DGUK		2.90	-0.08	-0.22	2.76	-0.21	-0.60	TM
JEM228	X	7.30	4.33	12.49	7.23	4.27	12.29	CE
JKGNDT		3.04	0.06	0.17	2.98	0.01	0.04	TM

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

WebCode	Data Flag	Sample S23 Lab Mean	Sample S23 Diff from Grand Mean	Sample S23 CPV	Sample S24 Lab Mean	Sample S24 Diff from Grand Mean	Sample S24 CPV	Instr Code
JKGTYH		2.60	-0.37	-1.07	2.64	-0.32	-0.93	WY
JWKACY		3.28	0.31	0.88	3.22	0.25	0.72	XX
K2HQQR		2.85	-0.13	-0.37	3.01	0.04	0.12	TM
K34UU6		2.84	-0.14	-0.40	2.85	-0.12	-0.34	TO
K4GGE6		3.85	0.87	2.52	3.80	0.83	2.40	DS
MHQRA7		2.85	-0.12	-0.36	2.88	-0.09	-0.25	TO
MLJUBQ		3.06	0.09	0.25	2.97	0.00	0.01	TO
MPVLDY		3.76	0.79	2.28	3.79	0.82	2.36	TO
MX3HXW		2.96	-0.02	-0.04	3.19	0.22	0.64	TO
PWKARD		2.81	-0.17	-0.49	2.82	-0.14	-0.42	TO
QJKPAE		2.99	0.02	0.05	3.05	0.09	0.24	TM
RBCWXJ		3.61	0.63	1.83	3.40	0.43	1.25	TY
RFVMVE		2.61	-0.37	-1.07	2.65	-0.32	-0.91	CE
RNWVLE		2.91	-0.07	-0.19	3.08	0.11	0.31	TO
RNXBYX		2.57	-0.41	-1.18	2.58	-0.39	-1.13	CE
T32W3L		2.78	-0.20	-0.56	2.85	-0.12	-0.35	BA
TA6JDA	*	3.66	0.69	1.99	3.87	0.90	2.59	IN
UFYF8Q		3.21	0.24	0.68	3.24	0.27	0.77	TM
UXZ9XK		2.68	-0.30	-0.86	2.79	-0.18	-0.51	XX
UYH6MC		3.03	0.06	0.17	3.00	0.04	0.10	TM
VCEQDR		2.31	-0.66	-1.91	2.25	-0.72	-2.07	XX
VCJV9G		2.86	-0.12	-0.33	2.94	-0.03	-0.09	TO
VLRLWD		3.14	0.16	0.48	3.11	0.15	0.42	WZ
VQ84ZG		3.67	0.70	2.01	3.76	0.79	2.27	XX
WC6XLC		2.70	-0.27	-0.78	2.75	-0.22	-0.64	TO
WUJACG		3.15	0.17	0.51	3.18	0.21	0.61	CE
X72P7T		2.61	-0.37	-1.06	2.41	-0.55	-1.60	TO
XH29ZF		2.71	-0.27	-0.78	2.66	-0.31	-0.89	WZ
YWMEYL		3.06	0.08	0.24	3.00	0.03	0.08	XX
ZQ9PG4		3.10	0.12	0.35	3.14	0.17	0.49	CE

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

Summary Statistics

Grand Means	2.975 ft.lbf/in	2.969 ft.lbf/in
Stnd Dev Btwn Labs	0.346 ft.lbf/in	0.347 ft.lbf/in

Statistics based on 60 of 62 reporting participants

Sample S23: HIPS & Sample S24: HIPS

Comments on assigned Data Flags for Test #790

GNZCG2 (X) - Data for both samples are low.

JEM228 (X) - Data for both samples are high.

Instrument Code List as Reported by the Labs

(BA) - Baldwin

(CE) - Ceast

(CS) - CSI

(DS) - Dynisco

(IN) - Instron

(TM) - TMI

(TO) - Tinius Olsen

(TY) - Toyoseiki

(WY) - Yasuda Seiki

(WZ) - Zwick

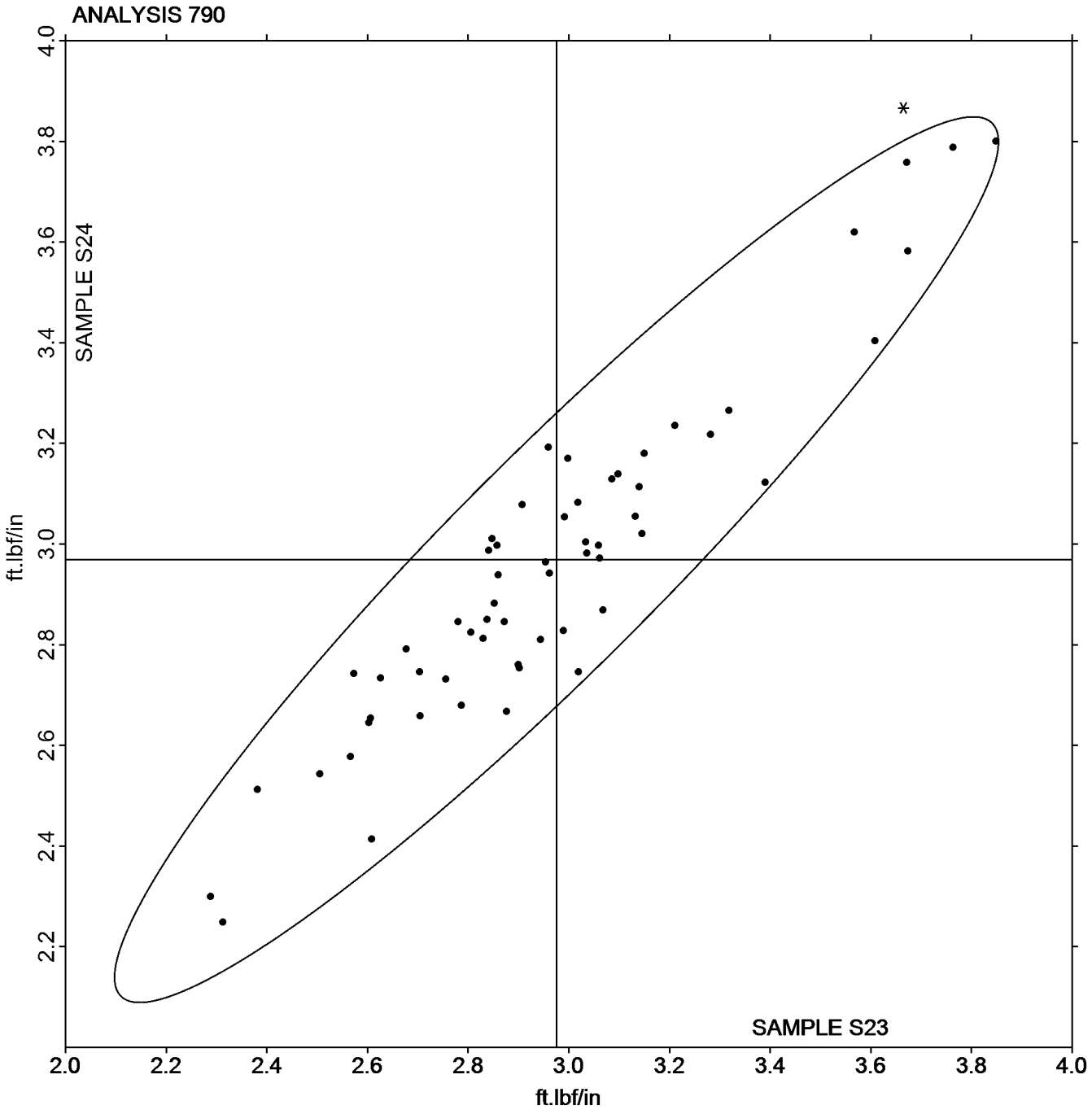
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

Grand Mean Sample S23: 2.9754 ft.lbf/in Grand Mean Sample S24: 2.9690 ft.lbf/in



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 791

Notched Izod Impact - kJ/m^2

WebCode	Data Flag	Sample Z23 Lab Mean	Sample Z23 Diff from Grand Mean	Sample Z23 CPV	Sample Z24 Lab Mean	Sample Z24 Diff from Grand Mean	Sample Z24 CPV	Instr Code
2JEWVP		21.06400	-0.86188	-1.30	11.96600	-0.50287	-1.09	XX
2WNK3Z	X	26.18200	4.25612	6.42	16.40400	3.93513	8.54	XX
6KDF39		22.42000	0.49412	0.75	12.54000	0.07113	0.15	TM
7NRMTE		23.45400	1.52812	2.30	12.05800	-0.41087	-0.89	CE
AWADR3		22.34000	0.41412	0.62	12.00600	-0.46287	-1.00	TO
DAVJTA		21.98000	0.05412	0.08	12.14000	-0.32887	-0.71	WZ
F2H9VR		21.96400	0.03812	0.06	12.86600	0.39713	0.86	XX
FP63PR		22.43360	0.50772	0.77	12.86900	0.40013	0.87	XX
FQVAPV		21.84000	-0.08588	-0.13	11.70000	-0.76887	-1.67	XX
GGK9U9		21.05000	-0.87588	-1.32	12.44200	-0.02687	-0.06	TM
NLDVKM		22.60200	0.67612	1.02	13.24000	0.77113	1.67	WZ
P83WNM		21.56400	-0.36188	-0.55	13.22600	0.75713	1.64	TO
VPUDC7		21.86800	-0.05788	-0.09	12.74600	0.27713	0.60	CE
WHZBNL		21.22000	-0.70588	-1.06	12.21600	-0.25287	-0.55	TO
XH29ZF		21.19400	-0.73188	-1.10	12.46200	-0.00687	-0.01	XX
XVPC46		21.89460	-0.03128	-0.05	12.55600	0.08713	0.19	XX

Summary Statistics

	Sample Z23	Sample Z24
Grand Means	21.925880 kJ/m^2	12.468867 kJ/m^2
Stnd Dev Btwn Labs	0.663146 kJ/m^2	0.460987 kJ/m^2

Statistics based on 15 of 16 reporting participants

Sample Z23: HIPS & Sample Z24: HIPS

Comments on assigned Data Flags for Test #791

2WNK3Z (X) - Data for both samples are high.

Instrument Code List as Reported by the Labs

(CE) - Ceast

(TM) - TMI

(TO) - Tinius Olsen

(WZ) - Zwick

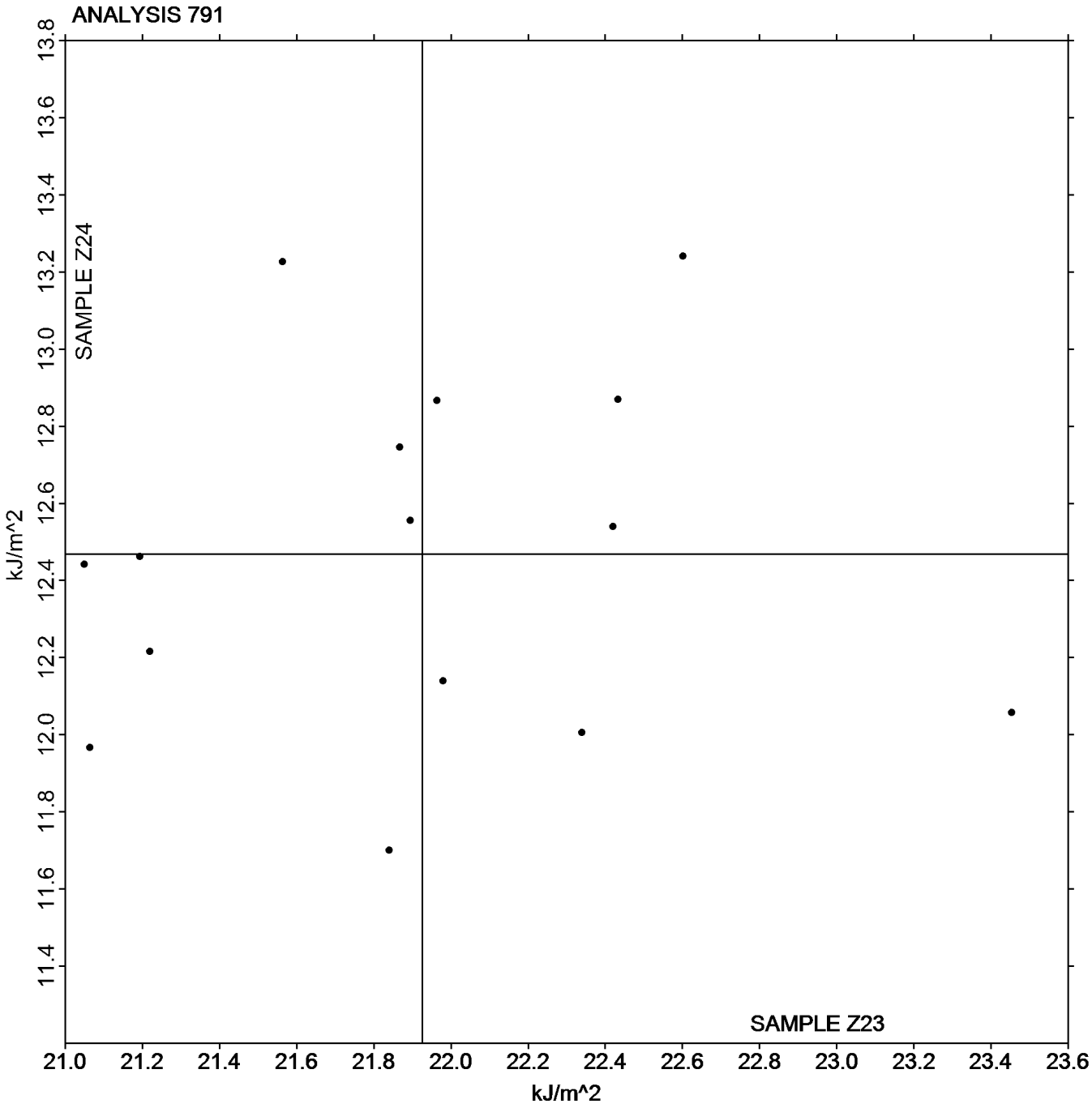
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 791

Notched Izod Impact - kJ/m^2

Grand Mean Sample Z23: 21.926 kJ/m^2 Grand Mean Sample Z24: 12.469 kJ/m^2



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 792

Notched Charpy Impact - kJ/m^2

WebCode	Data Flag	Sample M23 Lab Mean	Sample M23 Diff from Grand Mean	Sample M23 CPV	Sample M24 Lab Mean	Sample M24 Diff from Grand Mean	Sample M24 CPV	Instr Code
2JEWVP		17.36	-2.72	-0.93	17.61	-2.58	-0.83	TY
2WNK3Z		24.06	3.98	1.37	26.53	6.34	2.04	XX
4HXNDZ	X	28.72	8.64	2.97	24.01	3.82	1.23	CE
63N93V	X	54.25	34.17	11.73	57.94	37.75	12.16	TO
6JLDHD		16.64	-3.44	-1.18	16.74	-3.45	-1.11	WZ
6LRZVH		16.61	-3.47	-1.19	19.96	-0.23	-0.07	XX
78ZEEV		17.90	-2.18	-0.75	19.84	-0.35	-0.11	TO
7FFJQM		19.34	-0.74	-0.25	22.08	1.89	0.61	TO
9QK4FY		25.10	5.02	1.72	24.78	4.59	1.48	CE
9ZCDA3		20.58	0.50	0.17	18.73	-1.46	-0.47	CE
AWADR3		18.71	-1.37	-0.47	19.11	-1.08	-0.35	TO
BRHBP2		22.15	2.07	0.71	20.13	-0.06	-0.02	TM
C47KU9		16.89	-3.19	-1.09	18.92	-1.27	-0.41	XX
DAVJTA		19.18	-0.90	-0.31	18.94	-1.25	-0.40	WZ
DDUZVH		16.03	-4.05	-1.39	16.70	-3.49	-1.12	XX
E6CTQX		19.67	-0.41	-0.14	20.79	0.60	0.19	XX
ENMQ99		19.55	-0.53	-0.18	20.08	-0.11	-0.04	XX
FP63PR		19.62	-0.46	-0.16	19.85	-0.34	-0.11	TM
FQVAPV		19.84	-0.24	-0.08	19.80	-0.39	-0.13	CE
GH2JWK		19.52	-0.56	-0.19	19.23	-0.96	-0.31	TM
JEM228		16.96	-3.12	-1.07	15.38	-4.81	-1.55	CE
KHMB93		22.14	2.06	0.71	21.43	1.24	0.40	TM
NLDVKM		24.27	4.19	1.44	25.77	5.58	1.80	WZ
P83WNM		20.25	0.17	0.06	18.64	-1.55	-0.50	TO
QJKMKA		16.97	-3.11	-1.07	17.26	-2.93	-0.94	TM
R4K4AC	*	29.55	9.47	3.25	29.58	9.39	3.02	CE
UXKPG8		20.14	0.06	0.02	21.17	0.98	0.32	PO
VCJV9G		23.00	2.92	1.00	23.75	3.56	1.15	XX
VD6YDV		17.46	-2.62	-0.90	16.70	-3.49	-1.12	XX
VLRLWD		22.30	2.22	0.76	23.75	3.56	1.15	TM
VPUDC7		18.32	-1.76	-0.61	16.87	-3.32	-1.07	CE
VQ84ZG		20.08	0.00	0.00	20.74	0.55	0.18	XX

Plastics Interlaboratory Testing Program

Analysis 792

Notched Charpy Impact - kJ/m^2

WebCode	Data Flag	Sample M23 Lab Mean	Sample M23 Diff from Grand Mean	Sample M23 CPV	Sample M24 Lab Mean	Sample M24 Diff from Grand Mean	Sample M24 CPV	Instr Code
WUJACG		21.12	1.04	0.36	19.28	-0.91	-0.29	CE
XH29ZF		20.42	0.34	0.12	18.56	-1.63	-0.53	WZ
XQX3ZY		22.90	2.82	0.97	20.01	-0.18	-0.06	XX
ZAP6DY		18.07	-2.01	-0.69	17.75	-2.44	-0.78	CE

Summary Statistics

	Sample M23	Sample M24
Grand Means	20.079 kJ/m^2	20.190 kJ/m^2
Stnd Dev Btwn Labs	2.913 kJ/m^2	3.104 kJ/m^2

Statistics based on 34 of 36 reporting participants

Sample M23: ABS/PC & Sample M24: ABS/PC

Comments on assigned Data Flags for Test #792

4HXNDZ (X) - Inconsistent in testing between samples, data for Sample M23 are high. Also Inconsistent in testing within Sample M24.

63N93V (X) - Data for both samples are high. Also Inconsistent in testing within Sample M23.

Instrument Code List as Reported by the Labs

(CE) - Ceast

(PO) - POE

(TM) - TMI

(TO) - Tinius Olsen

(TY) - Toyoseiki

(WZ) - Zwick

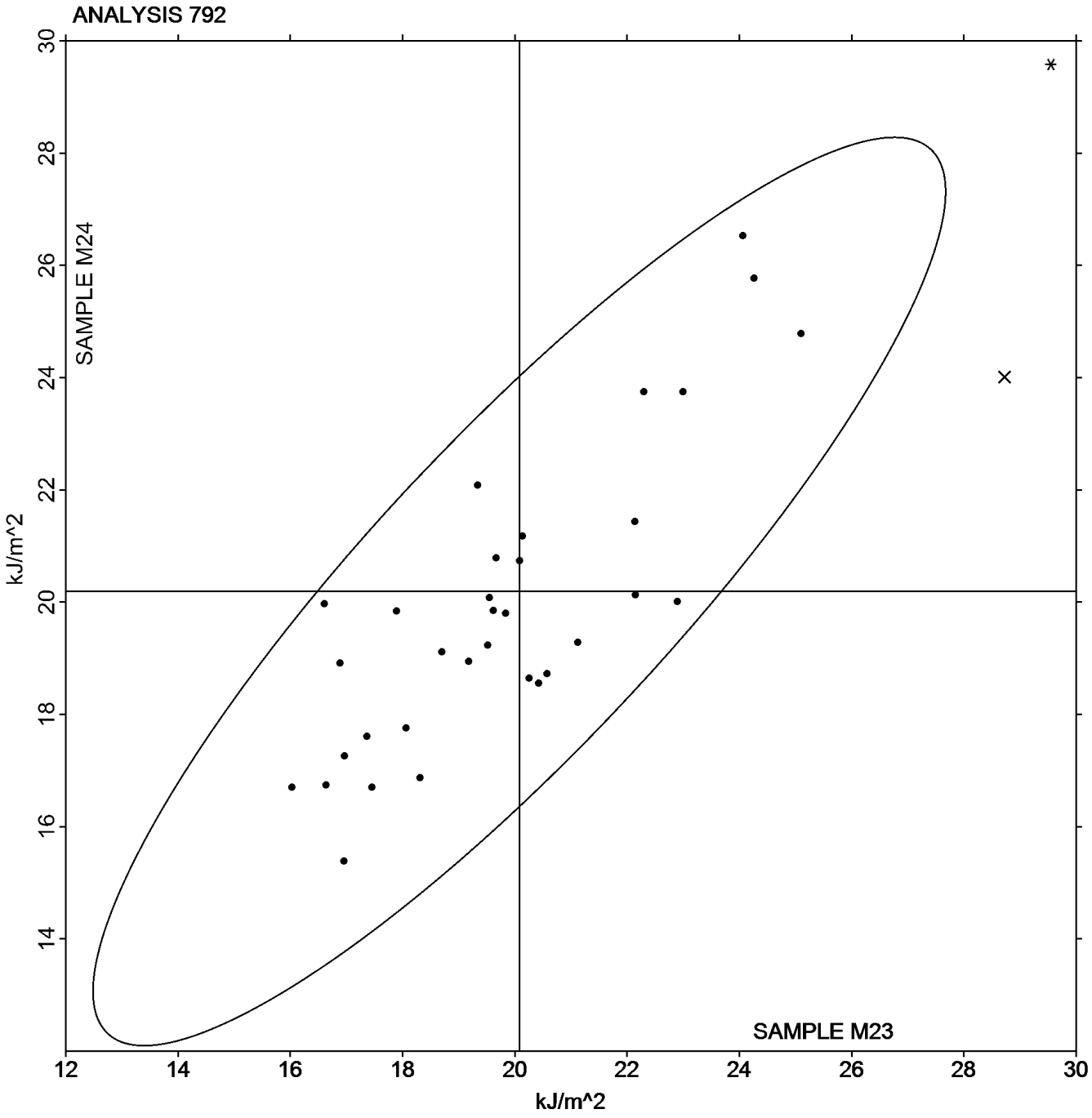
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 792

Notched Charpy Impact - kJ/m^2

Grand Mean Sample M23: 20.079 kJ/m^2 Grand Mean Sample M24: 20.190 kJ/m^2



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 710

Deflection Temp. Under Flexural Load (1.82 MPa) - Degrees C

WebCode	Data Flag	Sample E23 Lab Mean	Sample E23 Diff from Grand Mean	Sample E23 CPV	Sample E24 Lab Mean	Sample E24 Diff from Grand Mean	Sample E24 CPV	Instr Code
2JEWVP		77.25	-0.63	-0.64	77.10	-1.07	-0.83	TY
6DFQJJ		78.75	0.87	0.89	79.40	1.23	0.96	DN
6R89M2		77.50	-0.38	-0.38	78.58	0.41	0.32	RR
6TJ2MV	*	77.78	-0.10	-0.10	79.93	1.76	1.37	TO
6YDGFA		79.18	1.30	1.33	79.50	1.33	1.04	CE
78ZEEV	*	80.70	2.82	2.88	82.15	3.98	3.10	CE
93EBKV		77.58	-0.30	-0.31	76.73	-1.44	-1.13	RO
9A4ADB		77.61	-0.27	-0.27	78.13	-0.04	-0.03	TO
9QK4FY		78.56	0.69	0.70	78.34	0.17	0.13	TO
BBERUL		78.31	0.43	0.44	78.30	0.13	0.10	RO
BV9FER		76.43	-1.45	-1.48	76.45	-1.72	-1.34	AT
BY8WP2		76.88	-1.00	-1.02	78.00	-0.17	-0.13	DN
CU4C4B		77.30	-0.58	-0.59	76.68	-1.49	-1.16	CE
DR7HJC		78.43	0.55	0.56	79.45	1.28	1.00	CF
EE9PZT		77.38	-0.50	-0.51	77.40	-0.77	-0.60	TO
FP63PR		79.55	1.67	1.71	79.45	1.28	1.00	AT
GGK9U9	X	73.95	-3.93	-4.01	79.20	1.03	0.80	CE
GH2JWK		77.68	-0.20	-0.20	78.55	0.38	0.30	CE
GKXBG6		76.63	-1.25	-1.28	76.20	-1.97	-1.53	TO
HK9KX4		78.45	0.57	0.59	79.00	0.83	0.65	AT
JWKACY	X	81.78	3.90	3.98	80.78	2.61	2.03	XX
K34UU6		77.00	-0.88	-0.89	77.08	-1.09	-0.85	DN
KYUK3E		77.88	0.00	0.00	78.80	0.63	0.49	ZW
MLJUBQ		77.50	-0.38	-0.38	77.35	-0.82	-0.64	AT
PWKARD		78.98	1.10	1.12	78.70	0.53	0.41	XX
UXZ9XK		76.55	-1.33	-1.35	76.68	-1.49	-1.16	CE
VCJV9G		77.40	-0.48	-0.48	78.40	0.23	0.18	TO
VLRLWD		77.15	-0.73	-0.74	77.28	-0.89	-0.70	TO
WEZ2HP	X	83.75	5.87	6.00	84.05	5.88	4.58	TO
WUJACG		78.58	0.70	0.71	78.03	-0.14	-0.11	CE
XH29ZF		78.90	1.02	1.05	79.00	0.83	0.65	AT
YXQKUN		77.58	-0.30	-0.31	77.50	-0.67	-0.52	TO

Plastics Interlaboratory Testing Program

Analysis 710

Deflection Temp. Under Flexural Load (1.82 MPa) - Degrees C

WebCode	Data Flag	Sample E23 Lab Mean	Sample E23 Diff from Grand Mean	Sample E23 CPV	Sample E24 Lab Mean	Sample E24 Diff from Grand Mean	Sample E24 CPV	Instr Code
ZQ9PG4		76.85	-1.03	-1.05	76.95	-1.22	-0.95	ZW

Summary Statistics

	Sample E23		Sample E24	
Grand Means	77.875	Degrees C	78.169	Degrees C
Stnd Dev Btwn Labs	0.980	Degrees C	1.283	Degrees C

Statistics based on 30 of 33 reporting participants

Sample E23: ABS/PC & Sample E24: ABS/PC

Comments on assigned Data Flags for Test #710

GGK9U9 (X) - Low data for Sample E23.

JWKACY (X) - High data for Sample E23. Also Inconsistent in testing within both samples.

WEZ2HP (X) - Data for both samples are high.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CF) - Coesfeld

(DN) - DYNISCO

(RO) - Rosand

(RR) - Ray-Ran

(TO) - Tinius Olsen

(TY) - Toyoseiki

(XX) - Instrument manufacturer not specified by lab

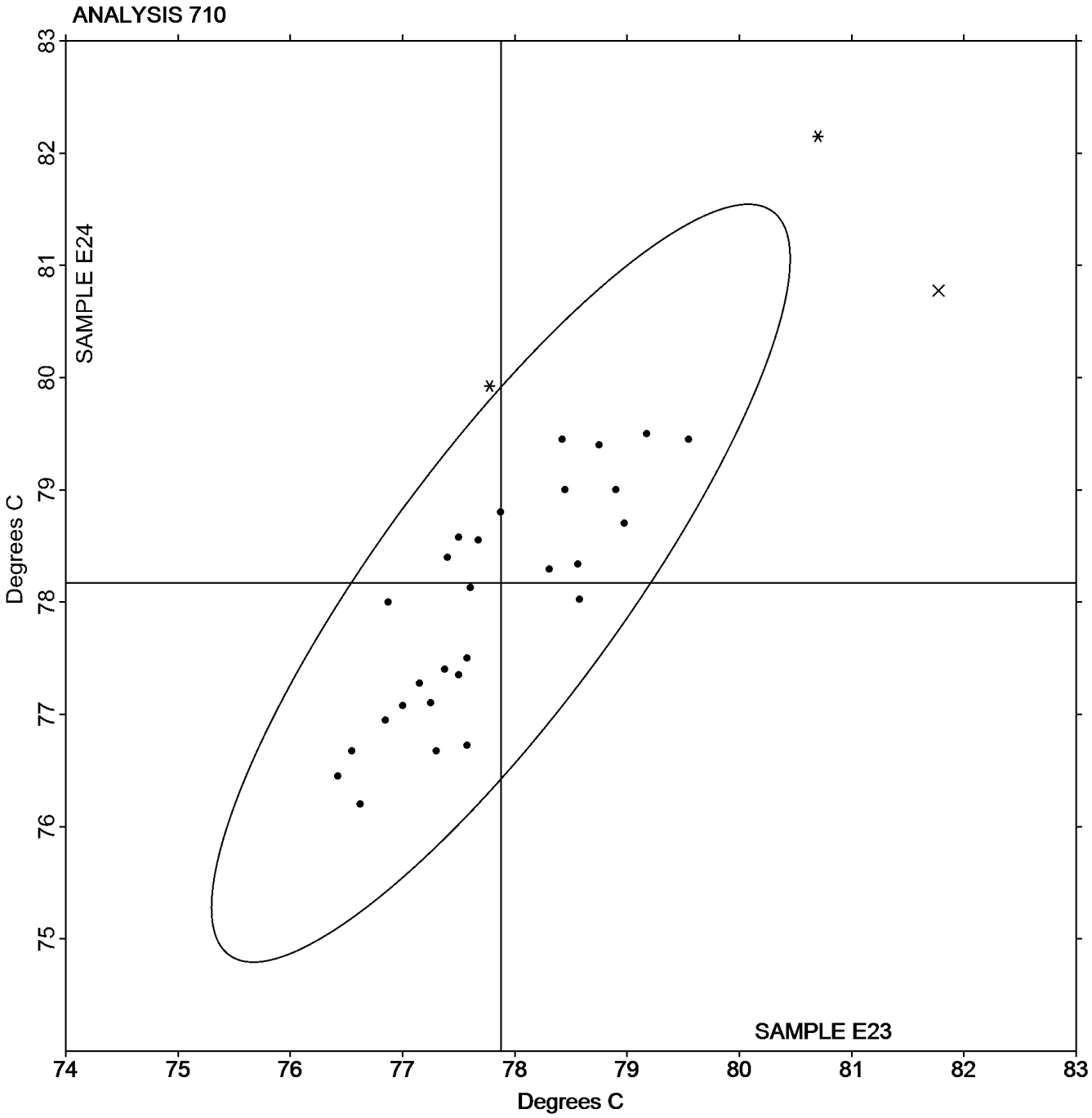
(ZW) - Zwick

Plastics Interlaboratory Testing Program

Analysis 710

Deflection Temp. Under Flexural Load (1.82 MPa) - Degrees C

Grand Mean Sample E23: 77.875 Degrees C Grand Mean Sample E24: 78.169 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 711

Deflection Temp. Under Flexural Load (0.455 MPa) - Degrees C

WebCode	Data Flag	Sample G23 Lab Mean	Sample G23 Diff from Grand Mean	Sample G23 CPV	Sample G24 Lab Mean	Sample G24 Diff from Grand Mean	Sample G24 CPV	Instr Code
6R89M2		80.8	3.7	1.58	80.3	3.5	1.29	RR
9QK4FY		71.6	-5.5	-2.35	71.9	-5.0	-1.86	TO
EE9PZT		80.5	3.4	1.47	77.4	0.6	0.21	TO
GH2JWK		76.8	-0.3	-0.12	77.2	0.3	0.12	CE
GKXBG6		76.2	-0.9	-0.37	76.1	-0.8	-0.30	TO
JEM228		79.1	2.0	0.87	78.9	2.1	0.77	RO
JWKACY		80.0	2.9	1.25	77.9	1.0	0.38	XX
KYUK3E		78.0	0.9	0.38	81.2	4.3	1.61	ZW
MLJUBQ		77.0	-0.1	-0.05	76.7	-0.2	-0.06	AT
PW3Z9Z		74.2	-2.8	-1.22	71.1	-5.8	-2.15	XX
QRYCJH		77.5	0.4	0.17	79.8	3.0	1.10	TO
UXZ9XK		75.8	-1.3	-0.56	74.9	-1.9	-0.72	CE
VCJV9G		76.8	-0.3	-0.12	76.4	-0.4	-0.16	TO
VLRLWD		75.8	-1.3	-0.56	76.5	-0.3	-0.12	TO
WUJACG		76.6	-0.5	-0.20	76.7	-0.2	-0.07	CE
YXQKUN		76.7	-0.4	-0.16	76.8	-0.1	-0.04	TO

Summary Statistics

	Sample G23	Sample G24
Grand Means	77.07 Degrees C	76.85 Degrees C
Stnd Dev Btwn Labs	2.33 Degrees C	2.68 Degrees C

Statistics based on 16 of 16 reporting participants

Sample G23: PP & Sample G24: PP

Instrument Code List as Reported by the Labs

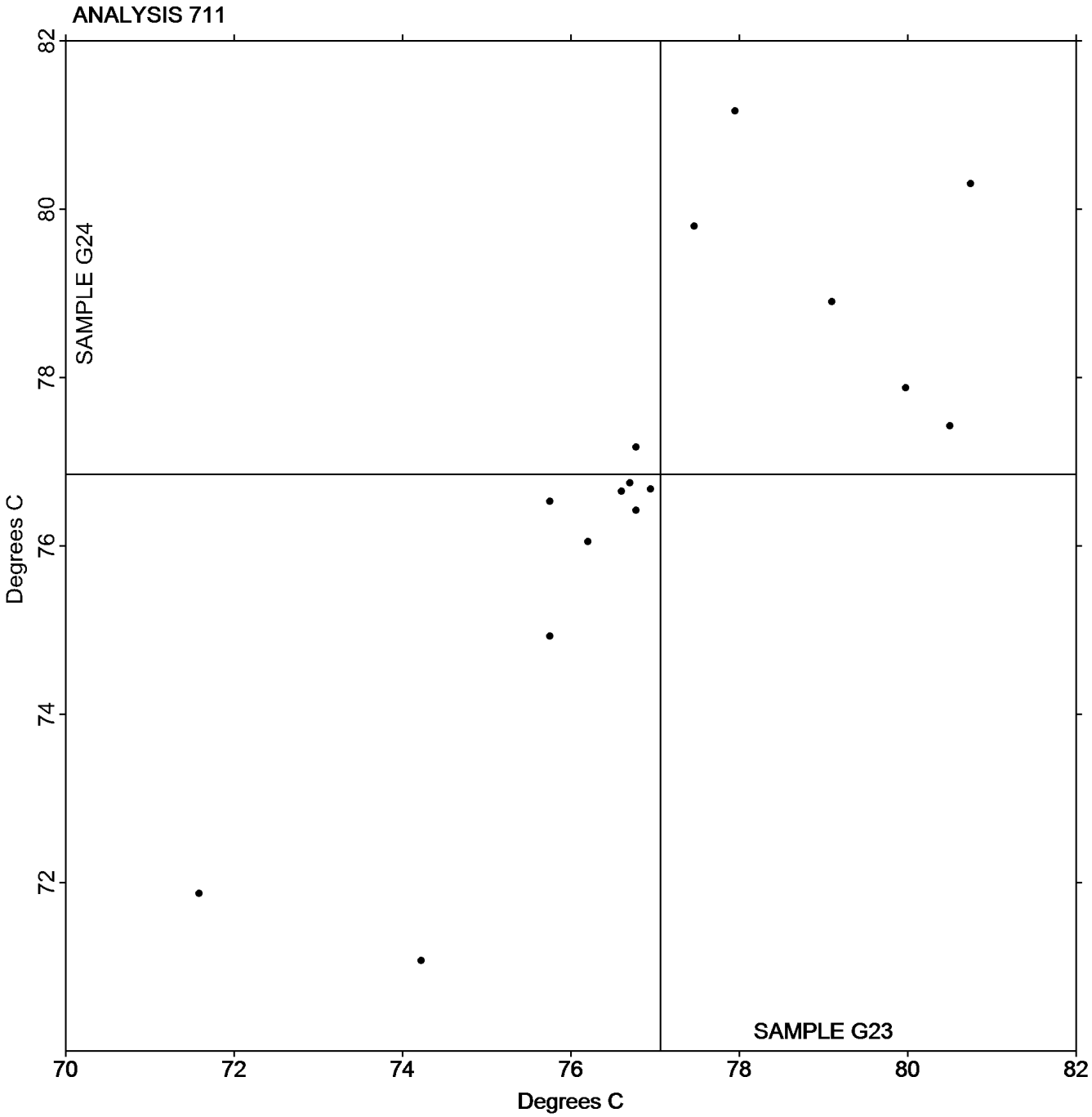
(AT) - Atlas
(CE) - Ceast
(RO) - Rosand
(RR) - Ray-Ran
(TO) - Tinius Olsen
(XX) - Instrument manufacturer not specified by lab
(ZW) - Zwick

Plastics Interlaboratory Testing Program

Analysis 711

Deflection Temp. Under Flexural Load (0.455 MPa) - Degrees C

Grand Mean Sample G23: 77.066 Degrees C Grand Mean Sample G24: 76.849 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 712

Temp. of Deflection Under Flexural Load (1.80 MPa) - Degrees C

WebCode	Data Flag	Sample N23 Lab Mean	Sample N23 Diff from Grand Mean	Sample N23 CPV	Sample N24 Lab Mean	Sample N24 Diff from Grand Mean	Sample N24 CPV	Instr Code
2JEWVP		79.30	-0.25	-0.19	78.73	-0.04	-0.03	TY
2WNK3Z		77.85	-1.70	-1.27	77.75	-1.02	-0.74	XX
3HHZKL		79.23	-0.33	-0.24	79.13	0.36	0.26	CF
63N93V		77.30	-2.25	-1.68	76.58	-2.19	-1.60	CE
6DFQJJ		79.18	-0.38	-0.28	78.25	-0.52	-0.38	DN
6LRZVH		79.25	-0.30	-0.22	78.38	-0.39	-0.29	TO
7FQYKU		78.80	-0.75	-0.56	78.10	-0.67	-0.49	CE
9BADNR		78.35	-1.20	-0.90	77.15	-1.62	-1.18	XX
9QK4FY		78.93	-0.62	-0.47	78.29	-0.48	-0.35	TO
9WN87X		80.58	1.02	0.76	80.15	1.38	1.01	TO
AWADR3		79.15	-0.40	-0.30	78.18	-0.59	-0.43	CE
BRHBP2		80.08	0.52	0.39	79.48	0.71	0.52	AT
BYCKLE	*	83.70	4.15	3.10	83.23	4.47	3.27	CE
C47KU9		80.33	0.77	0.58	79.68	0.91	0.66	XX
DAVJTA		79.83	0.27	0.20	79.18	0.41	0.30	CF
DDUZVH		79.38	-0.18	-0.13	78.20	-0.57	-0.41	XX
DJ62CT		79.53	-0.03	-0.02	79.38	0.61	0.44	XX
DUVYPD		80.93	1.37	1.03	79.38	0.61	0.44	CE
FN2JDB	*	82.00	2.45	1.83	80.25	1.48	1.08	CE
FP63PR		79.78	0.22	0.17	79.08	0.31	0.22	AT
FQVAPV		80.65	1.10	0.82	79.80	1.03	0.76	AT
GGK9U9		78.73	-0.83	-0.62	77.70	-1.07	-0.78	CE
GH2JWK		78.23	-1.33	-0.99	77.88	-0.89	-0.65	CE
GKXBG6		79.73	0.17	0.13	78.98	0.21	0.15	TO
HMW3TA		82.38	2.82	2.11	81.93	3.16	2.31	CE
JEM228		79.60	0.05	0.04	78.90	0.13	0.10	CF
KYUK3E		79.55	0.00	0.00	78.88	0.11	0.08	ZW
NLDVKM		78.80	-0.75	-0.56	78.10	-0.67	-0.49	CE
P83WNM		79.15	-0.40	-0.30	78.03	-0.74	-0.54	CE
QJKMKA	*	76.83	-2.73	-2.03	75.45	-3.32	-2.43	AT
UYH6MC		79.25	-0.30	-0.22	78.88	0.11	0.08	AT
VPUDC7	*	79.05	-0.50	-0.37	77.18	-1.59	-1.16	CE

Plastics Interlaboratory Testing Program

Analysis 712

Temp. of Deflection Under Flexural Load (1.80 MPa) - Degrees C

WebCode	Data Flag	Sample N23 Lab Mean	Sample N23 Diff from Grand Mean	Sample N23 CPV	Sample N24 Lab Mean	Sample N24 Diff from Grand Mean	Sample N24 CPV	Instr Code
VQ84ZG		81.85	2.30	1.72	80.65	1.88	1.38	XX
WC6XLC		78.28	-1.28	-0.95	77.63	-1.14	-0.84	TO
WHZBNL		78.30	-1.25	-0.93	77.55	-1.22	-0.89	TO
WJ9AYU		79.03	-0.53	-0.39	78.48	-0.29	-0.21	CE
XH29ZF		79.93	0.37	0.28	79.40	0.63	0.46	AT
XQX3ZY		80.03	0.47	0.35	79.18	0.41	0.30	XX
YXQKUN		78.50	-1.05	-0.78	77.93	-0.84	-0.62	TO
ZAP6DY		80.80	1.25	0.93	79.73	0.96	0.70	CE

Summary Statistics

	Sample N23	Sample N24
Grand Means	79.551 Degrees C	78.767 Degrees C
Stnd Dev Btwn Labs	1.340 Degrees C	1.368 Degrees C

Statistics based on 40 of 40 reporting participants

Sample N23: HIPS & Sample N24: HIPS

Instrument Code List as Reported by the Labs

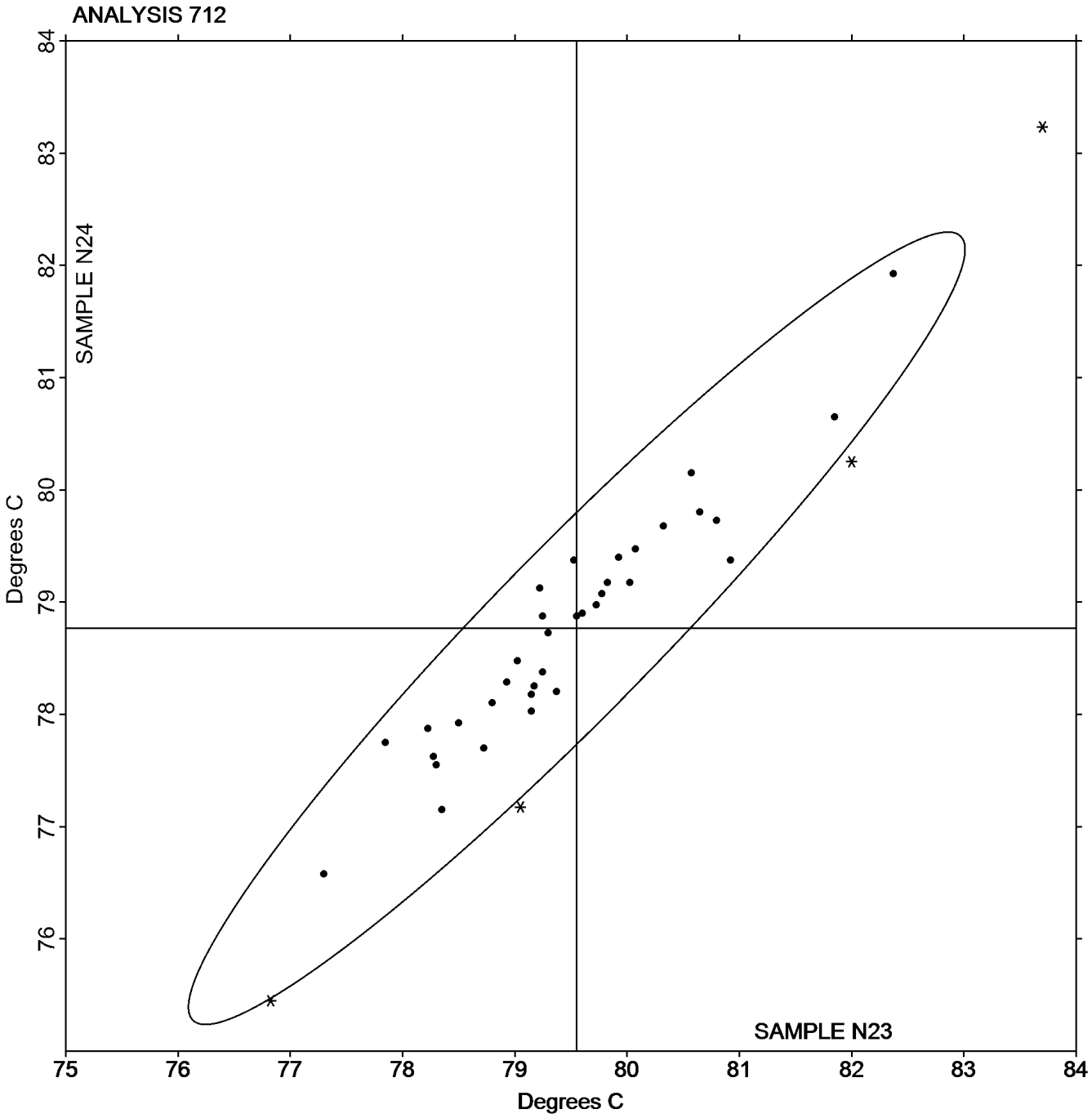
(AT) - Atlas
(CE) - Ceast
(CF) - Coesfeld
(DN) - DYNISCO
(TO) - Tinius Olsen
(TY) - Toyoseiki
(XX) - Instrument manufacturer not specified by lab
(ZW) - Zwick

Plastics Interlaboratory Testing Program

Analysis 712

Temp. of Deflection Under Flexural Load (1.80 MPa) - Degrees C

Grand Mean Sample N23: 79.551 Degrees C Grand Mean Sample N24: 78.767 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 715

Vicat Softening Temperature (Rate A)

WebCode	Data Flag	Sample H23 Lab Mean	Sample H23 Diff from Grand Mean	Sample H23 CPV	Sample H24 Lab Mean	Sample H24 Diff from Grand Mean	Sample H24 CPV	Instr Code
2JEWVP		99.50	-0.34	-0.55	99.65	-0.23	-0.39	TY
2WNK3Z	X	96.02	-3.82	-6.29	95.95	-3.93	-6.68	XX
3HHZKL		100.08	0.25	0.41	100.00	0.12	0.20	CF
6LRZVH	X	99.90	0.06	0.10	102.05	2.17	3.69	XX
6NVTPG		100.40	0.56	0.93	100.05	0.17	0.29	CE
6R89M2		100.57	0.73	1.20	100.87	0.99	1.68	RR
6YDGFA		99.38	-0.45	-0.75	99.62	-0.26	-0.45	CE
7FFJQM		100.62	0.78	1.28	100.67	0.79	1.34	TO
87KEU7		99.02	-0.82	-1.35	99.32	-0.56	-0.96	CE
93EBKV		99.73	-0.10	-0.17	99.48	-0.40	-0.67	RO
9ZCDA3		98.77	-1.07	-1.76	98.80	-1.08	-1.84	AT
BQ2C7Y		99.53	-0.30	-0.50	99.57	-0.31	-0.53	TO
BRHBP2		99.25	-0.59	-0.97	99.60	-0.28	-0.48	AT
BY8WP2		99.57	-0.27	-0.45	99.58	-0.30	-0.50	DN
CU4C4B		99.43	-0.40	-0.66	99.25	-0.63	-1.07	CE
DAVJTA		100.87	1.03	1.70	100.65	0.77	1.31	CF
DJYM4X		100.38	0.55	0.90	100.48	0.60	1.02	CE
DR7HJC		99.80	-0.04	-0.06	99.92	0.04	0.06	CF
EGNEWC		100.00	0.16	0.27	100.12	0.24	0.40	CE
FP63PR		100.13	0.30	0.49	100.13	0.25	0.43	AT
GH2JWK		99.18	-0.65	-1.08	99.25	-0.63	-1.07	CE
GKXBG6		99.42	-0.42	-0.69	99.52	-0.36	-0.62	TO
JEM228		99.90	0.06	0.10	99.90	0.02	0.03	CF
K34UU6		99.92	0.08	0.13	100.20	0.32	0.54	DN
KHMB93		99.39	-0.44	-0.73	99.07	-0.81	-1.38	CE
KYUK3E		99.72	-0.12	-0.20	99.75	-0.13	-0.22	WZ
L3WLZQ		100.28	0.45	0.73	100.42	0.54	0.91	TO
M4G2KH		98.68	-1.15	-1.90	98.87	-1.01	-1.72	AT
RNXBYX		100.57	0.73	1.20	100.32	0.44	0.74	CE
UXKPG8		99.82	-0.02	-0.03	99.85	-0.03	-0.05	CE
WUJACG		99.83	0.00	-0.01	99.93	0.05	0.09	CE
XH29ZF		101.23	1.40	2.30	101.23	1.35	2.30	CF

Plastics Interlaboratory Testing Program

Analysis 715

Vicat Softening Temperature (Rate A)

WebCode	Data Flag	Sample H23 Lab Mean	Sample H23 Diff from Grand Mean	Sample H23 CPV	Sample H24 Lab Mean	Sample H24 Diff from Grand Mean	Sample H24 CPV	Instr Code
YWMEYL		100.53	0.69	1.13	100.73	0.84	1.44	XX
ZQ9PG4		99.28	-0.55	-0.91	99.40	-0.48	-0.82	CE

Summary Statistics

	Sample H23		Sample H24	
Grand Means	99.837	Degrees C	99.880	Degrees C
Stnd Dev Btwn Labs	0.607	Degrees C	0.588	Degrees C

Statistics based on 32 of 34 reporting participants

Sample H23: ABS/PC & Sample H24: ABS/PC

Comments on assigned Data Flags for Test #715

2WNK3Z (X) - Data for both samples are low. Also Inconsistent in testing within both samples.

6LRZVH (X) - Inconsistent in testing between samples, data for Sample H24 are high. Also Inconsistent in testing within Sample H24.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CF) - Coesfeld

(DN) - DYNISCO

(RO) - Rosand

(RR) - Ray-Ran

(TO) - Tinius Olsen

(TY) - Toyoseiki

(WZ) - Zwick

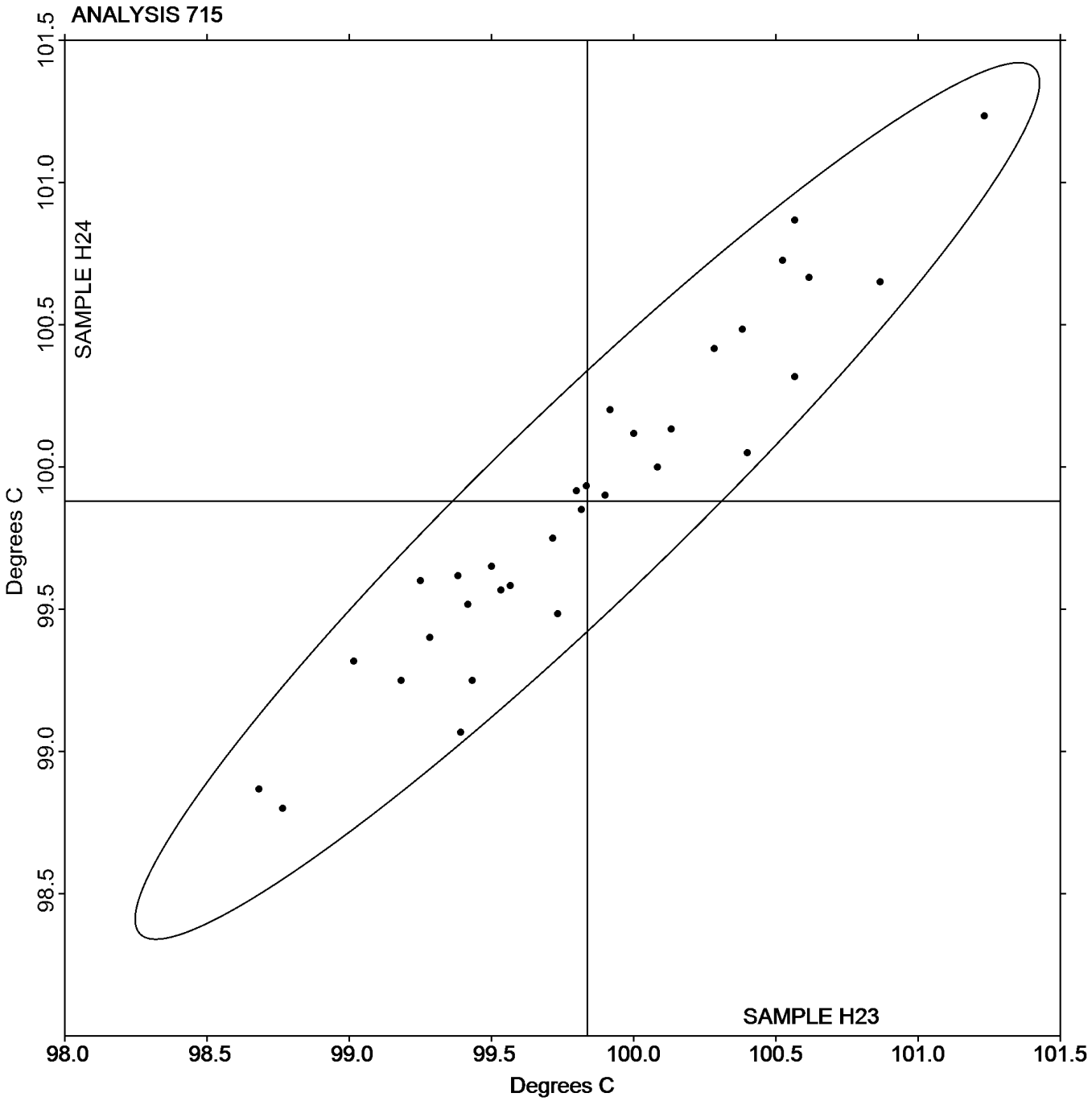
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 715

Vicat Softening Temperature (Rate A)

Grand Mean Sample H23: 99.837 Degrees C Grand Mean Sample H24: 99.880 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 716

Vicat Softening Temperature (Rate B)

WebCode	Data Flag	Sample R23 Lab Mean	Sample R23 Diff from Grand Mean	Sample R23 CPV	Sample R24 Lab Mean	Sample R24 Diff from Grand Mean	Sample R24 CPV	Instr Code
2JEWVP		101.70	-0.05	-0.06	102.10	0.24	0.29	TY
2WNK3Z	X	101.83	0.09	0.12	97.87	-3.99	-4.91	XX
6LRZVH	X	101.47	-0.28	-0.38	104.62	2.76	3.39	XX
6R89M2		102.47	0.72	0.97	102.78	0.92	1.13	RR
6YDGFA		102.12	0.37	0.50	102.57	0.71	0.87	CE
7FFJQM		102.22	0.47	0.64	102.50	0.64	0.79	TO
87KEU7		101.23	-0.51	-0.69	101.20	-0.66	-0.81	CE
93EBKV		101.47	-0.28	-0.38	101.23	-0.63	-0.77	RO
9QK4FY		102.88	1.13	1.53	103.10	1.24	1.52	TO
BQ2C7Y		101.10	-0.65	-0.88	101.23	-0.63	-0.77	TO
BRHBP2		101.90	0.15	0.21	101.85	-0.01	-0.01	AT
BY8WP2		101.88	0.14	0.18	101.87	0.01	0.01	DN
CU4C4B		100.87	-0.88	-1.19	100.90	-0.96	-1.18	CE
DAVJTA		102.50	0.75	1.02	102.95	1.09	1.34	CF
EGNEWC		101.40	-0.35	-0.47	101.77	-0.09	-0.11	CE
FP63PR		102.38	0.64	0.86	102.55	0.69	0.85	AT
GKXBG6		100.97	-0.78	-1.06	101.23	-0.63	-0.77	TO
JEM228		102.27	0.52	0.70	102.43	0.57	0.70	CF
K34UU6		103.00	1.25	1.70	102.83	0.97	1.20	DN
KHMB93		100.70	-1.05	-1.42	100.75	-1.11	-1.36	CE
KYUK3E	X	93.50	-8.25	-11.16	93.47	-8.39	-10.31	WZ
L3WLZQ	*	102.05	0.30	0.41	101.40	-0.46	-0.57	TO
M4G2KH		100.70	-1.05	-1.42	100.78	-1.08	-1.32	AT
RNXBYX		102.62	0.87	1.18	102.48	0.62	0.77	CE
UXKPG8		102.22	0.47	0.64	102.40	0.54	0.66	CE
UXZ9XK		101.02	-0.73	-0.99	101.10	-0.76	-0.93	CE
WUJACG		101.57	-0.18	-0.24	101.75	-0.11	-0.14	CE
XH29ZF		102.43	0.69	0.93	103.07	1.21	1.48	CF
ZKTBGD		100.18	-1.56	-2.12	100.28	-1.58	-1.94	TO
ZQ9PG4		101.33	-0.41	-0.56	101.11	-0.76	-0.93	CE

Plastics Interlaboratory Testing Program
Analysis 716
Vicat Softening Temperature (Rate B)

Summary Statistics

Grand Means		
	101.747 Degrees C	101.860 Degrees C
Stnd Dev Btwn Labs		
	0.739 Degrees C	0.814 Degrees C

Statistics based on 27 of 30 reporting participants

Sample R23: ABS/PC & Sample R24: ABS/PC

Comments on assigned Data Flags for Test #716

2WNK3Z (X) - Inconsistent in testing between samples, data for Sample R24 are low. Also Inconsistent in testing within Sample R24.

6LRZVH (X) - Inconsistent in testing between samples, data for Sample R24 are high. Also Inconsistent in testing within Sample R24.

KYUK3E (X) - Data for both samples are low.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CF) - Coesfeld

(DN) - DYNISCO

(RO) - Rosand

(RR) - Ray-Ran

(TO) - Tinius Olsen

(TY) - Toyoseiki

(WZ) - Zwick

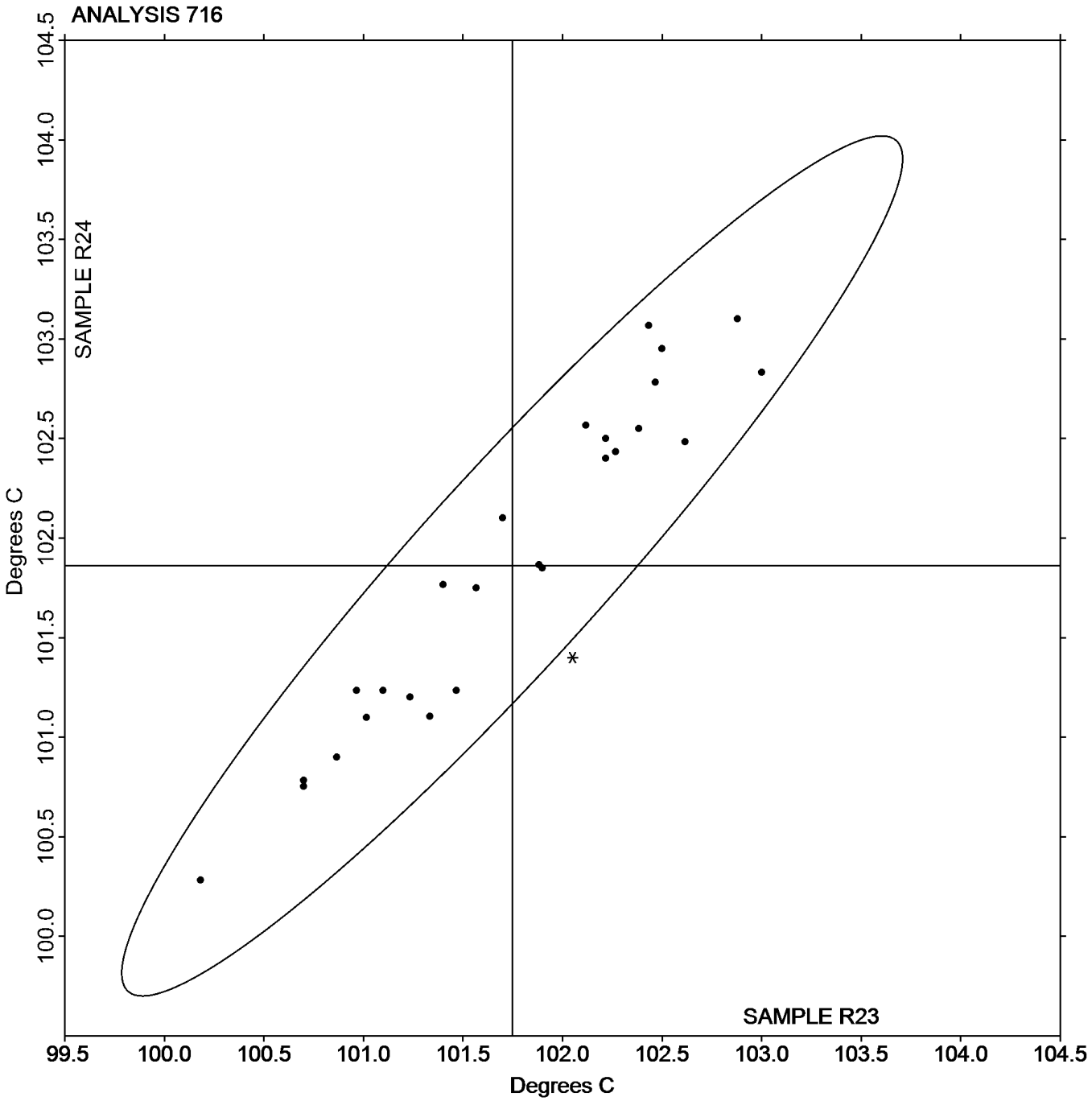
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 716

Vicat Softening Temperature (Rate B)

Grand Mean Sample R23: 101.75 Degrees C Grand Mean Sample R24: 101.86 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - g/10 mins

WebCode	Data Flag	Sample X23 Lab Mean	Sample X23 Diff from Grand Mean	Sample X23 CPV	Sample X24 Lab Mean	Sample X24 Diff from Grand Mean	Sample X24 CPV	Instr Code
2JEWVP		2.64	-0.20	-1.20	4.39	-0.54	-1.54	TY
2URFXT	X	3.49	0.65	3.84	6.84	1.91	5.42	KA
2WNK3Z		2.85	0.01	0.07	5.40	0.47	1.35	KA
4YJCJP	*	3.01	0.17	0.98	4.09	-0.84	-2.39	TO
63N93V		2.70	-0.14	-0.82	5.10	0.17	0.49	TO
6DFQJJ	*	2.35	-0.49	-2.88	4.60	-0.33	-0.93	TO
6JLDHD		2.80	-0.04	-0.22	5.60	0.68	1.92	GO
6YDGFA		2.74	-0.10	-0.58	4.30	-0.63	-1.79	GO
72PAH2	X	2.85	0.01	0.07	3.45	-1.48	-4.21	DY
78ZEEV		2.70	-0.14	-0.82	4.70	-0.23	-0.64	TO
7FFJQM		2.85	0.01	0.07	4.90	-0.03	-0.08	TO
7PETU6		2.80	-0.04	-0.23	5.00	0.07	0.21	DY
8XETC4		2.72	-0.12	-0.68	5.31	0.38	1.08	TM
93EBKV		2.80	-0.04	-0.23	5.15	0.22	0.64	TO
9E9RAW		2.80	-0.04	-0.23	4.80	-0.13	-0.36	TO
9QK4FY		2.89	0.05	0.27	4.73	-0.20	-0.56	TO
9WN87X		3.00	0.16	0.95	5.05	0.12	0.35	TO
A769XD		2.90	0.06	0.36	4.95	0.02	0.07	AT
A8FZ7U		2.88	0.05	0.27	4.78	-0.15	-0.43	TO
AWADR3		2.81	-0.03	-0.19	5.10	0.17	0.49	TO
BRHBP2		2.83	-0.01	-0.08	4.76	-0.16	-0.46	KA
BXXPNT		3.11	0.27	1.60	4.93	0.00	0.01	DY
BY8WP2		2.85	0.01	0.07	5.05	0.12	0.35	DY
C47KU9		2.63	-0.21	-1.26	5.03	0.10	0.28	XX
CETLAH		3.05	0.21	1.24	4.90	-0.03	-0.08	TO
CLCWJQ		2.88	0.04	0.22	4.15	-0.78	-2.21	CE
CU4C4B		2.66	-0.18	-1.08	4.38	-0.55	-1.57	CE
DAVJTA		2.96	0.12	0.71	5.08	0.15	0.44	WZ
DDUZVH		3.20	0.36	2.13	5.05	0.12	0.35	XX
DR7HJC		2.76	-0.08	-0.50	4.95	0.02	0.07	DY
E6CTQX		2.88	0.04	0.24	5.13	0.20	0.57	TO
EE9PZT	*	2.80	-0.04	-0.23	4.00	-0.93	-2.63	KA

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - g/10 mins

WebCode	Data Flag	Sample X23 Lab Mean	Sample X23 Diff from Grand Mean	Sample X23 CPV	Sample X24 Lab Mean	Sample X24 Diff from Grand Mean	Sample X24 CPV	Instr Code
EN7PAD		2.95	0.11	0.66	5.30	0.37	1.06	DY
F2H9VR		3.02	0.18	1.08	5.12	0.20	0.56	TO
FP63PR		3.00	0.16	0.95	5.26	0.33	0.94	TO
FXPPW2		2.95	0.11	0.66	5.37	0.44	1.25	DY
GH2JWK		2.77	-0.07	-0.41	4.67	-0.26	-0.73	TO
GNZCG2		2.85	0.01	0.07	4.70	-0.23	-0.64	TO
GWPUZC		2.84	0.00	-0.01	5.09	0.16	0.46	TO
J3DGUK		2.87	0.03	0.15	4.79	-0.14	-0.39	TO
JEM228		2.54	-0.30	-1.76	4.63	-0.30	-0.86	XX
JKGTYH		2.55	-0.29	-1.70	5.20	0.27	0.78	TY
JWKACY		2.95	0.11	0.66	5.09	0.16	0.45	XX
K6TAZ8		2.81	-0.03	-0.17	4.49	-0.44	-1.24	TO
K94PDJ		3.06	0.22	1.30	5.14	0.21	0.61	TO
KZY4RW		2.69	-0.15	-0.91	4.86	-0.07	-0.19	CE
LBUPF8		2.82	-0.02	-0.11	5.26	0.33	0.95	TO
MHQRA7		2.68	-0.16	-0.97	4.09	-0.84	-2.38	TO
MLJUBQ		3.05	0.21	1.24	5.45	0.52	1.49	TO
MPVLDY	M	2.68	-0.16	-0.97	No data reported for this sample			TO
MX3HXW		2.91	0.07	0.44	4.72	-0.21	-0.59	TO
N2R6HA		2.86	0.03	0.15	4.83	-0.10	-0.27	CE
NLDVKM		2.88	0.04	0.25	5.03	0.11	0.30	GO
NR3BCE		2.75	-0.09	-0.52	4.80	-0.13	-0.36	KA
P83WNM		2.78	-0.06	-0.38	5.16	0.23	0.66	TO
PJMX2M	*	3.23	0.39	2.30	4.54	-0.39	-1.11	QT
QC9T8M	X	3.62	0.78	4.62	4.49	-0.44	-1.25	TO
QFRXNX		2.75	-0.09	-0.55	4.86	-0.07	-0.19	TO
QJKMKA		2.75	-0.09	-0.52	4.70	-0.23	-0.64	TO
QYQ3AJ		2.97	0.13	0.77	5.01	0.08	0.23	GO
R2UZG6		2.95	0.11	0.66	5.30	0.37	1.06	TO
RA2UAY		2.83	-0.01	-0.08	5.19	0.26	0.73	TO
T32W3L		2.71	-0.13	-0.76	4.97	0.04	0.11	TO
TA6JDA		3.13	0.29	1.72	5.39	0.46	1.31	DY

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - g/10 mins

WebCode	Data Flag	Sample X23 Lab Mean	Sample X23 Diff from Grand Mean	Sample X23 CPV	Sample X24 Lab Mean	Sample X24 Diff from Grand Mean	Sample X24 CPV	Instr Code
TDYXER		2.85	0.01	0.07	5.55	0.62	1.77	TO
UAE9VC	*	3.27	0.43	2.54	5.58	0.65	1.84	TO
UFYF8Q		2.92	0.08	0.45	4.81	-0.12	-0.35	TO
UXZ9XK		2.95	0.11	0.66	4.75	-0.18	-0.50	CE
VCEQDR	*	2.50	-0.34	-2.00	5.45	0.52	1.49	XX
VCJV9G		2.95	0.11	0.66	4.81	-0.11	-0.32	CS
VLRLWD		2.81	-0.03	-0.20	5.03	0.10	0.29	TO
VPGBKX		2.84	0.00	-0.02	4.99	0.06	0.17	CE
VQ84ZG		2.60	-0.24	-1.41	4.50	-0.43	-1.21	XX
WC6XLC		2.50	-0.34	-2.00	4.35	-0.58	-1.64	TO
WEZ2HP		2.69	-0.15	-0.89	4.92	-0.01	-0.02	TO
WUJACG		2.85	0.01	0.07	5.20	0.27	0.78	DY
X72P7T		2.50	-0.34	-2.00	4.70	-0.23	-0.64	TO
X7BHAA		2.88	0.04	0.23	5.07	0.15	0.41	DY
XH29ZF		2.99	0.15	0.86	5.16	0.23	0.66	TO
XQRNR6		2.98	0.14	0.82	5.04	0.12	0.33	GO
YFEU74		3.03	0.19	1.13	5.25	0.32	0.92	TO
YGW3WD		2.70	-0.14	-0.82	4.40	-0.53	-1.51	TO
YWMEYL		2.71	-0.13	-0.77	5.12	0.19	0.54	XX
Z8RH8P		2.93	0.09	0.51	5.15	0.22	0.64	DY

Summary Statistics

	Sample X23	Sample X24
Grand Means	2.839 grams/10 mins	4.926 grams/10 mins
Stnd Dev Btwn Labs	0.170 grams/10 mins	0.352 grams/10 mins

Statistics based on 80 of 84 reporting participants

Sample X23: PP & Sample X24: PP

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - g/10 mins

Comments on assigned Data Flags for Test #750

2URFXT (X) - Data for both samples are high.

72PAH2 (X) - Low data for Sample X24. Also Inconsistent in testing within Sample X24.

MPVLDY (M) - Laboratory did not submit data for Sample X24.

QC9T8M (X) - High data for Sample X23.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CS) - CSI

(DY) - Dynisco

(GO) - Gottfert

(KA) - Kayeness

(QT) - Qualitest

(TM) - TMI

(TO) - Tinius Olsen

(TY) - Toyoseiki Seisakusho

(WZ) - Zwick

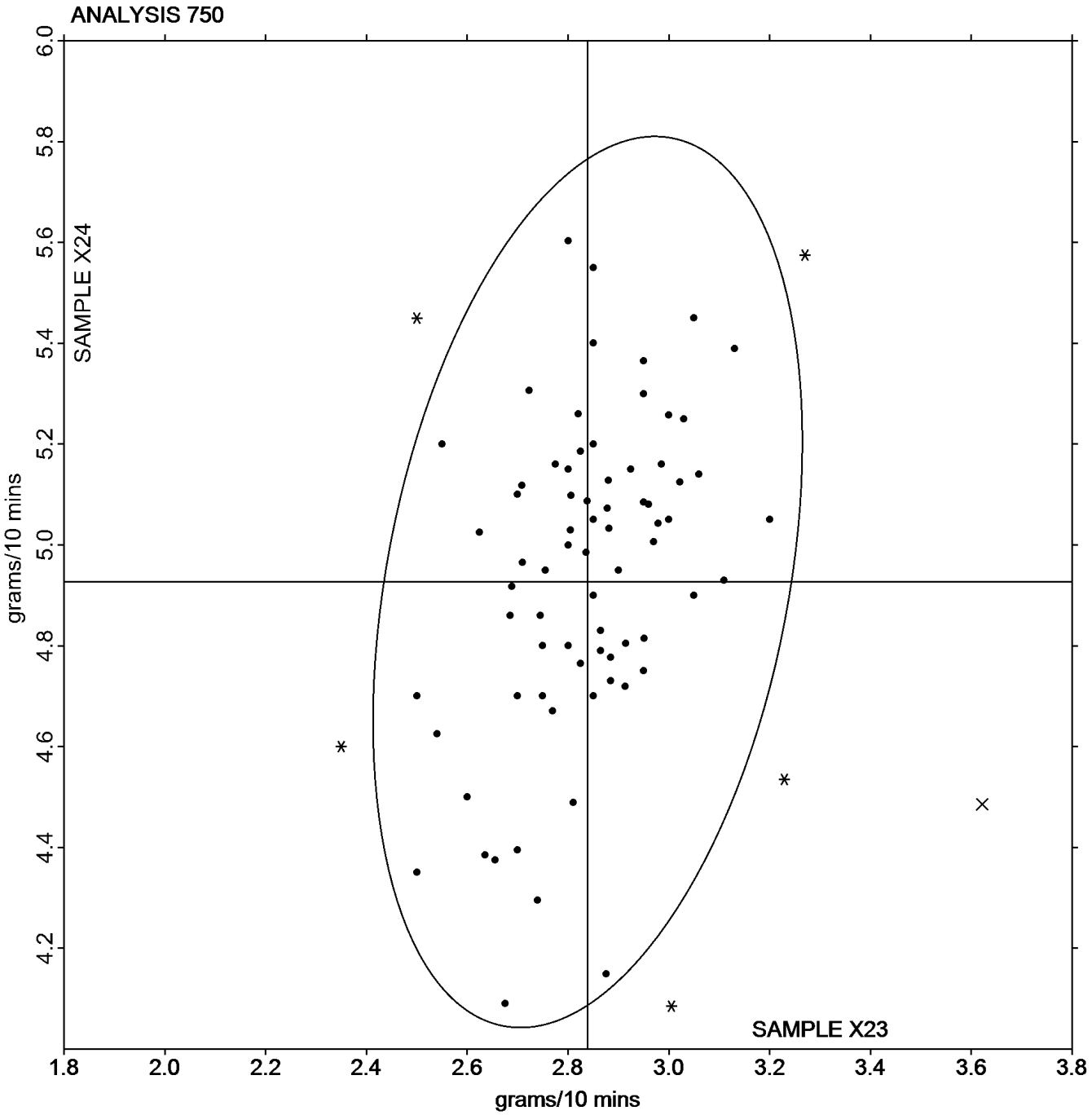
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - g/10 mins

Grand Mean Sample X23: 2.8389 grams/10 mins Grand Mean Sample X24: 4.9265 grams/10 mins



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

		Sample T23			Sample T24			
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	Instr Code
2JEWVP		1.17870	-0.00349	-1.65	1.17763	-0.00467	-2.10	XX
2WNK3Z		1.18300	0.00081	0.38	1.18260	0.00030	0.13	XX
3DAUY2		1.18500	0.00281	1.32	1.18533	0.00303	1.37	XX
3HHZKL		1.18133	-0.00086	-0.40	1.18167	-0.00064	-0.29	XX
3HP4K6		1.18403	0.00184	0.87	1.18420	0.00190	0.86	XX
3VTE77		1.18173	-0.00046	-0.22	1.18000	-0.00230	-1.04	XX
3YWZ46		1.18117	-0.00102	-0.48	1.18190	-0.00040	-0.18	XX
4JV36C		1.18541	0.00322	1.52	1.18541	0.00311	1.40	XX
4RLKE2		1.17767	-0.00452	-2.13	1.17867	-0.00364	-1.64	XX
4YJCJP		1.18233	0.00014	0.07	1.18433	0.00203	0.92	XX
63N93V		1.17740	-0.00479	-2.26	1.17730	-0.00500	-2.25	XX
68JZ98		1.18197	-0.00022	-0.11	1.18200	-0.00030	-0.14	XX
6DFQJJ		1.17967	-0.00252	-1.19	1.17933	-0.00297	-1.34	XX
6R89M2		1.18500	0.00281	1.32	1.18517	0.00286	1.29	XX
6TJ2MV	X	1.18367	0.00148	0.70	1.18000	-0.00230	-1.04	XX
72PAH2		1.17747	-0.00472	-2.23	1.17763	-0.00467	-2.10	XX
77WZK8		1.17900	-0.00319	-1.50	1.17967	-0.00264	-1.19	XX
78ZEEV		1.18297	0.00078	0.37	1.18257	0.00026	0.12	XX
7FQYKU		1.18387	0.00168	0.79	1.18377	0.00146	0.66	XX
7PV63A		1.17927	-0.00292	-1.38	1.17903	-0.00327	-1.47	XX
8LN3TY		1.18233	0.00014	0.07	1.18233	0.00003	0.01	XX
8MWCGC		1.18034	-0.00185	-0.87	1.18115	-0.00115	-0.52	XX
92UQEK		1.17967	-0.00252	-1.19	1.18000	-0.00230	-1.04	XX
9A4ADB		1.18090	-0.00129	-0.61	1.17967	-0.00264	-1.19	XX
9E9RAW		1.18523	0.00304	1.43	1.18483	0.00253	1.14	XX
9QK4FY		1.18213	-0.00006	-0.03	1.18197	-0.00034	-0.15	XX
9ZCDA3		1.18310	0.00091	0.43	1.18360	0.00130	0.59	XX
AJ9GVV		1.18409	0.00190	0.89	1.18288	0.00057	0.26	XX
AWADR3		1.18433	0.00214	1.01	1.18467	0.00236	1.07	XX
AZ8FDX		1.18427	0.00208	0.98	1.18497	0.00266	1.20	XX
BCM2LH		1.18301	0.00082	0.39	1.18331	0.00101	0.45	XX
BRHBP2		1.18363	0.00144	0.68	1.18457	0.00226	1.02	XX

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

		Sample T23			Sample T24			
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	Instr Code
BY8WP2		1.18400	0.00181	0.85	1.18433	0.00203	0.92	XX
C47KU9		1.18427	0.00208	0.98	1.18317	0.00086	0.39	XX
DDUZVH		1.18400	0.00181	0.85	1.18410	0.00180	0.81	XX
DGWREU		1.18130	-0.00089	-0.42	1.18133	-0.00097	-0.44	XX
DVDUM8		1.18430	0.00211	0.99	1.18250	0.00020	0.09	XX
E6CTQX		1.17977	-0.00242	-1.14	1.18170	-0.00060	-0.27	XX
EE9PZT		1.18070	-0.00149	-0.70	1.18080	-0.00150	-0.68	XX
EN7PAD		1.18387	0.00168	0.79	1.18370	0.00140	0.63	XX
F2H9VR		1.18233	0.00014	0.07	1.18167	-0.00064	-0.29	XX
FBVJQY		1.18176	-0.00043	-0.20	1.18130	-0.00101	-0.45	XX
FP63PR		1.18240	0.00021	0.10	1.18223	-0.00007	-0.03	XX
FQVAPV		1.18040	-0.00179	-0.84	1.18153	-0.00077	-0.35	XX
FXPPW2		1.18373	0.00154	0.73	1.18387	0.00156	0.71	XX
FXT3N4		1.18210	-0.00009	-0.04	1.18143	-0.00087	-0.39	XX
G7DRRG		1.18500	0.00281	1.32	1.18500	0.00270	1.22	XX
GH2JWK		1.18357	0.00138	0.65	1.18337	0.00106	0.48	XX
GKXBG6		1.18100	-0.00119	-0.56	1.18100	-0.00130	-0.59	XX
GWPUZC	*	1.18439	0.00220	1.03	1.18653	0.00423	1.91	XX
HK9KX4	*	1.18240	0.00021	0.10	1.18007	-0.00224	-1.01	XX
HKU6HG	*	1.17867	-0.00352	-1.66	1.18093	-0.00137	-0.62	XX
JCVQKM		1.18400	0.00181	0.85	1.18467	0.00236	1.07	XX
JEM228		1.18000	-0.00219	-1.03	1.18000	-0.00230	-1.04	XX
JKGTYH		1.18110	-0.00109	-0.51	1.18047	-0.00184	-0.83	XX
JWKACY		1.17953	-0.00266	-1.25	1.17940	-0.00290	-1.31	XX
K6YFPV		1.17960	-0.00259	-1.22	1.17940	-0.00290	-1.31	XX
KZY4RW	X	1.18333	0.00114	0.54	1.18667	0.00436	1.97	XX
L3M69H		1.18000	-0.00219	-1.03	1.17967	-0.00264	-1.19	XX
LQ7DKU		1.18207	-0.00012	-0.06	1.18207	-0.00024	-0.11	XX
LZBD39		1.18070	-0.00149	-0.70	1.18063	-0.00167	-0.75	XX
MAZ9YG		1.18277	0.00058	0.27	1.18417	0.00186	0.84	XX
MJCCEF		1.18240	0.00021	0.10	1.18277	0.00046	0.21	XX
MLJUBQ		1.18450	0.00231	1.09	1.18390	0.00160	0.72	XX

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

WebCode	Data Flag	Sample T23 Lab Mean	Sample T23 Diff from Grand Mean	Sample T23 CPV	Sample T24 Lab Mean	Sample T24 Diff from Grand Mean	Sample T24 CPV	Instr Code
N2R6HA		1.18327	0.00108	0.51	1.18353	0.00123	0.56	XX
NH8K97		1.18357	0.00138	0.65	1.18393	0.00163	0.74	XX
NLDVKM		1.17967	-0.00252	-1.19	1.17900	-0.00330	-1.49	XX
NR3BCE	X	1.17567	-0.00652	-3.08	1.17783	-0.00447	-2.01	XX
NWRQZL		1.18040	-0.00179	-0.84	1.18117	-0.00114	-0.51	XX
P7MLMA		1.18137	-0.00082	-0.39	1.18287	0.00056	0.25	XX
P83WNM	*	1.18453	0.00234	1.10	1.18670	0.00440	1.98	XX
PJMX2M		1.18260	0.00041	0.19	1.18150	-0.00080	-0.36	XX
QJKMKA		1.18490	0.00271	1.28	1.18483	0.00253	1.14	XX
QRYCJH	*	1.18267	0.00048	0.22	1.18500	0.00270	1.22	XX
QXX63Y		1.18440	0.00221	1.04	1.18460	0.00230	1.04	XX
R4K4AC		1.18307	0.00088	0.41	1.18347	0.00116	0.53	XX
RA2UAY		1.18207	-0.00012	-0.06	1.18187	-0.00044	-0.20	XX
RNWVLE		1.18593	0.00374	1.76	1.18570	0.00340	1.53	XX
RTH2PF	X	1.17623	-0.00596	-2.81	1.17857	-0.00374	-1.68	XX
TVVA27		1.18193	-0.00026	-0.12	1.18237	0.00006	0.03	XX
URBQJA		1.17867	-0.00352	-1.66	1.17933	-0.00297	-1.34	XX
UTAQQ2		1.18433	0.00214	1.01	1.18573	0.00343	1.55	XX
UVKLPK	X	1.17887	-0.00332	-1.57	1.18247	0.00016	0.07	XX
UXZ9XK		1.18367	0.00148	0.70	1.18350	0.00120	0.54	XX
UYH6MC		1.18033	-0.00186	-0.88	1.18067	-0.00164	-0.74	XX
UZTXPT		1.18350	0.00131	0.62	1.18370	0.00140	0.63	XX
VCJV9G		1.18407	0.00188	0.88	1.18327	0.00096	0.43	XX
VLRLWD	*	1.17843	-0.00376	-1.77	1.18063	-0.00167	-0.75	XX
VPUDC7		1.18383	0.00164	0.77	1.18363	0.00133	0.60	XX
VQ84ZG		1.18497	0.00278	1.31	1.18437	0.00206	0.93	XX
WC6XLC		1.18223	0.00004	0.02	1.18130	-0.00100	-0.45	XX
WDRH6N	X	1.04633	-0.13586	-64.04	1.04267	-0.13964	-62.95	XX
WEZ2HP		1.18067	-0.00152	-0.72	1.17933	-0.00297	-1.34	XX
WUJACG		1.18227	0.00008	0.04	1.18260	0.00030	0.13	XX
X72P7T	X	1.17400	-0.00819	-3.86	1.17300	-0.00930	-4.19	XX

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

WebCode	Data Flag	Sample T23 Lab Mean	Sample T23 Diff from Grand Mean	Sample T23 CPV	Sample T24 Lab Mean	Sample T24 Diff from Grand Mean	Sample T24 CPV	Instr Code
XH29ZF		1.18247	0.00028	0.13	1.18243	0.00013	0.06	XX
XVPC46		1.18293	0.00074	0.35	1.18320	0.00090	0.40	XX
YWMEWZ		1.18300	0.00081	0.38	1.18323	0.00093	0.42	XX
Z8RH8P		1.18490	0.00271	1.28	1.18460	0.00230	1.04	XX
ZRQZXH	*	1.17655	-0.00564	-2.66	1.17618	-0.00613	-2.76	XX

Summary Statistics

	Sample T23		Sample T24	
Grand Means	1.182191	sp gr 23/23 C	1.182302	sp gr 23/23 C
Stnd Dev Btwn Labs	0.002122	sp gr 23/23 C	0.002218	sp gr 23/23 C

Statistics based on 93 of 100 reporting participants

Sample T23: ABS/PC & Sample T24: ABS/PC

Comments on assigned Data Flags for Test #718

6TJ2MV (X) - Inconsistent in testing between samples.

KZY4RW (X) - Inconsistent in testing between samples and inconsistent in testing within both samples.

NR3BCE (X) - Inconsistent in testing between samples, data for Sample T23 are low.

RTH2PF (X) - Inconsistent in testing between samples, data for Sample T23 are low.

UVKLPK (X) - Inconsistent in testing between samples.

WDRH6N (X) - Data for both samples are low. Also Inconsistent in testing within Sample T23.

X72P7T (X) - Data for both samples are low.

Instrument Code List as Reported by the Labs

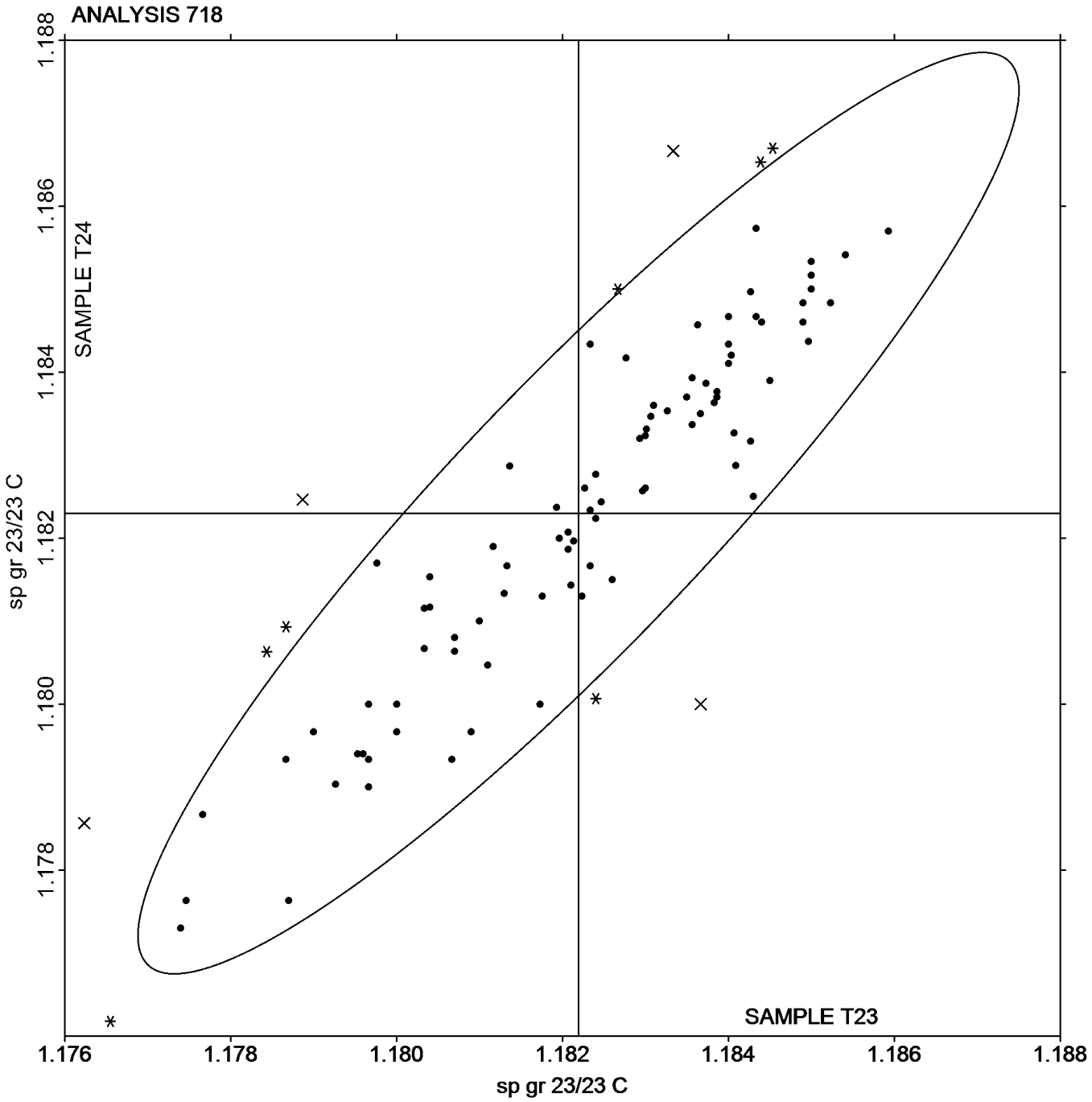
(XX) - Instrument Codes not used by CTS at this time

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

Grand Mean Sample T23: 1.1822 sp gr 23/23 C Grand Mean Sample T24: 1.1823 sp gr 23/23 C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

WebCode	Data Flag	Sample L23 Lab Mean	Sample L23 Diff from Grand Mean	Sample L23 CPV	Sample L24 Lab Mean	Sample L24 Diff from Grand Mean	Sample L24 CPV	Instr Code
4KVNBQ		21.245	-0.302	-1.96	21.570	0.003	0.02	XX
4M2CNV		21.460	-0.087	-0.57	21.525	-0.042	-0.28	XX
4TWNNJ		21.605	0.058	0.37	21.495	-0.072	-0.49	XX
63N93V		21.475	-0.072	-0.47	21.725	0.158	1.06	XX
68JZ98		21.505	-0.042	-0.28	21.710	0.143	0.96	XX
6DFQJJ		21.560	0.013	0.08	21.850	0.283	1.90	XX
6EWPZZ		21.650	0.103	0.67	21.500	-0.067	-0.45	XX
6YDGFA		21.581	0.033	0.21	21.513	-0.054	-0.36	XX
7FQYKU		21.695	0.148	0.96	21.795	0.228	1.53	XX
7PETU6		21.740	0.193	1.25	21.490	-0.077	-0.52	XX
9A4ADB		21.660	0.113	0.73	21.675	0.108	0.72	XX
9QK4FY		21.480	-0.067	-0.44	21.495	-0.072	-0.49	XX
9ZCDA3		21.490	-0.057	-0.37	21.855	0.288	1.93	XX
AWADR3		21.464	-0.084	-0.55	21.370	-0.197	-1.33	XX
AZ8FDX		21.610	0.063	0.41	21.455	-0.112	-0.75	XX
BBERUL		21.655	0.108	0.70	21.540	-0.027	-0.18	XX
BY8WP2		21.655	0.108	0.70	21.575	0.008	0.05	XX
C47KU9		21.460	-0.087	-0.57	21.465	-0.102	-0.69	XX
CETLAH	X	22.645	1.097	7.13	21.441	-0.126	-0.85	XX
DAVJTA		21.505	-0.042	-0.28	21.580	0.013	0.08	XX
DJYM4X		21.530	-0.017	-0.11	21.820	0.253	1.70	XX
DWM4CJ	*	21.180	-0.367	-2.39	21.260	-0.307	-2.06	XX
ELXGZT		21.280	-0.267	-1.74	21.545	-0.022	-0.15	XX
EN7PAD	X	21.075	-0.472	-3.07	21.045	-0.522	-3.51	XX
F2H9VR		21.490	-0.057	-0.37	21.625	0.058	0.39	XX
FP63PR		21.467	-0.080	-0.52	21.460	-0.107	-0.72	XX
FXPPW2	X	21.060	-0.487	-3.16	21.085	-0.482	-3.24	XX
FXT3N4	X	20.350	-1.197	-7.77	20.355	-1.212	-8.14	XX
GGK9U9		21.680	0.133	0.86	21.415	-0.152	-1.02	XX
HB9UG3		21.590	0.043	0.28	21.515	-0.052	-0.35	XX
HK9KX4		21.605	0.058	0.37	21.765	0.198	1.33	XX
JCFTQ2		21.554	0.006	0.04	21.508	-0.059	-0.40	XX

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

WebCode	Data Flag	Sample L23 Lab Mean	Sample L23 Diff from Grand Mean	Sample L23 CPV	Sample L24 Lab Mean	Sample L24 Diff from Grand Mean	Sample L24 CPV	Instr Code
JEM228		21.485	-0.062	-0.41	21.515	-0.052	-0.35	XX
JKGTYH		21.746	0.199	1.29	21.645	0.077	0.52	XX
JWKACY		21.185	-0.362	-2.35	21.390	-0.177	-1.19	XX
K2HQQR	*	21.450	-0.097	-0.63	21.955	0.388	2.60	XX
K4GGE6		21.410	-0.137	-0.89	21.485	-0.082	-0.55	XX
K94PDJ		21.510	-0.037	-0.24	21.840	0.273	1.83	XX
KZY4RW		21.585	0.038	0.24	21.425	-0.142	-0.96	XX
L3M69H		21.650	0.103	0.67	21.700	0.133	0.89	XX
LBUPF8		21.565	0.018	0.11	21.770	0.203	1.36	XX
MHQRA7		21.385	-0.162	-1.05	21.600	0.033	0.22	XX
MLJUBQ		21.390	-0.157	-1.02	21.390	-0.177	-1.19	XX
N2R6HA		21.675	0.128	0.83	21.330	-0.237	-1.59	XX
NLDVKM		21.725	0.178	1.15	21.560	-0.007	-0.05	XX
NR3BCE		21.405	-0.142	-0.92	21.550	-0.017	-0.12	XX
P83WNM		21.645	0.098	0.63	21.495	-0.072	-0.49	XX
QJKMKA		21.815	0.268	1.74	21.400	-0.167	-1.12	XX
R2UZG6		21.600	0.053	0.34	21.595	0.028	0.19	XX
R4K4AC		21.830	0.283	1.83	21.660	0.093	0.62	XX
TDYXER		21.450	-0.097	-0.63	21.500	-0.067	-0.45	XX
VLRLWD		21.555	0.008	0.05	21.590	0.023	0.15	XX
VQ84ZG		21.227	-0.320	-2.08	21.406	-0.162	-1.09	XX
WC6XLC		21.835	0.288	1.87	21.670	0.103	0.69	XX
WUJACG		21.600	0.053	0.34	21.600	0.033	0.22	XX
X7BHAA		21.530	-0.017	-0.11	21.380	-0.187	-1.26	XX
XH29ZF		21.455	-0.092	-0.60	21.370	-0.197	-1.33	XX
XVPC46		21.700	0.153	0.99	21.550	-0.017	-0.12	XX
YGW3WD		21.850	0.303	1.96	21.615	0.048	0.32	XX
Z8RH8P		21.530	-0.018	-0.12	21.690	0.123	0.82	XX

Plastics Interlaboratory Testing Program
Analysis 757
Ash Content in Thermoplastics - Percent

Summary Statistics

Grand Means				
	21.5475	Percent	21.5674	Percent
Stnd Dev Btwn Labs				
	0.1540	Percent	0.1489	Percent

Statistics based on 56 of 60 reporting participants

Sample L23: PP & Sample L24: PP

Comments on assigned Data Flags for Test #757

CETLAH (X) - High data for Sample L23. Also Inconsistent in testing within Sample L23.

EN7PAD (X) - Data for both samples are low.

FXPPW2 (X) - Data for both samples are low.

FXT3N4 (X) - Data for both samples are low.

Instrument Code List as Reported by the Labs

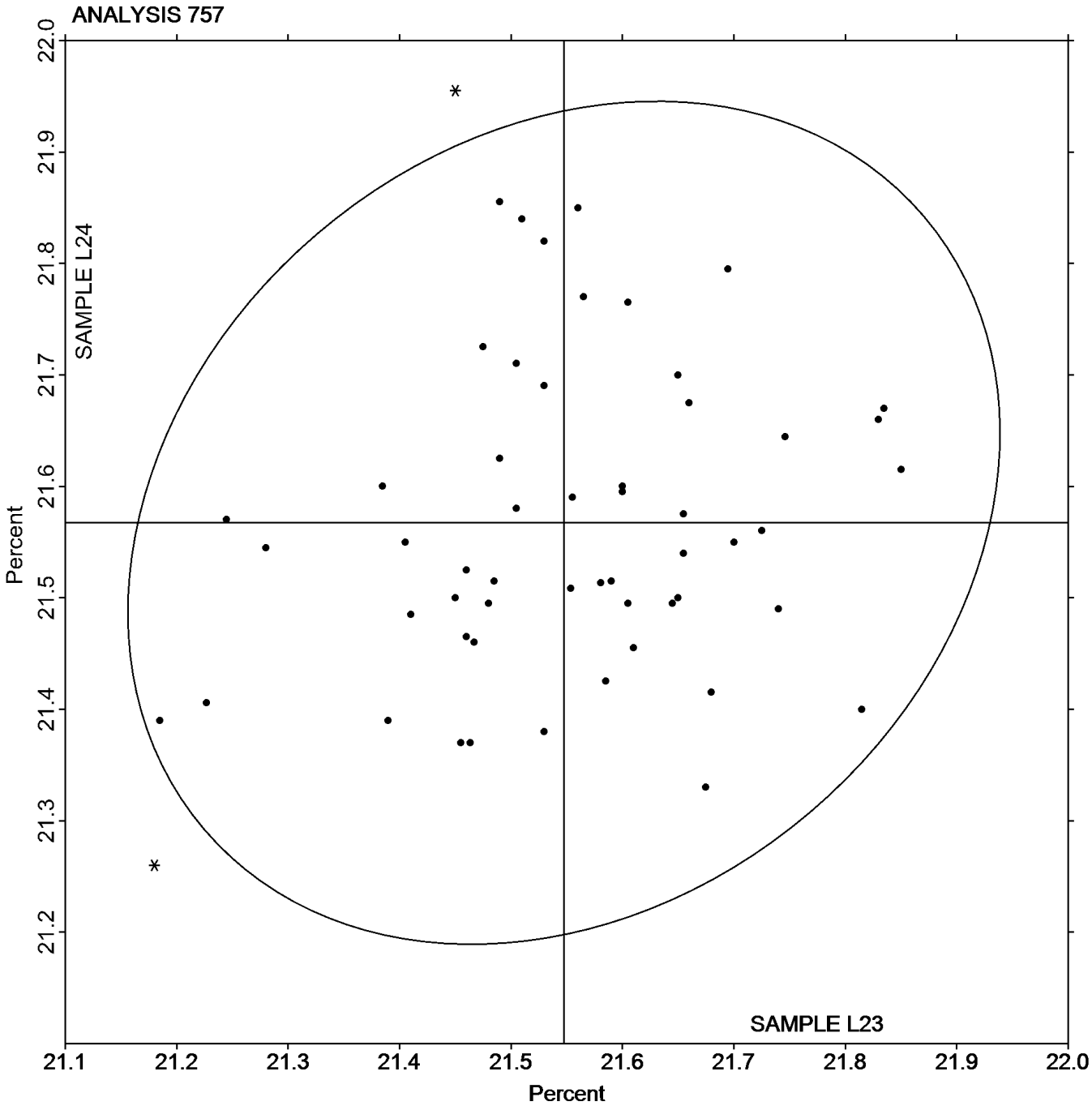
(XX) - Instrument Codes not used by CTS at this time

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

Grand Mean Sample L23: 21.547 Percent Grand Mean Sample L24: 21.567 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 770

Tensile Stress at Yield, Film Samples - psi

WebCode	Data Flag	Sample B23 Lab Mean	Sample B23 Diff from Grand Mean	Sample B23 CPV	Sample B24 Lab Mean	Sample B24 Diff from Grand Mean	Sample B24 CPV	Instr Code
27VCBW		1,745	45	0.24	1,722	31	0.17	ME
6NVTPG		1,550	-149	-0.79	1,514	-176	-0.97	IN
6R89M2		1,866	166	0.89	1,886	196	1.08	LI
6YDGFA	*	2,266	566	3.02	2,176	485	2.68	WZ
78ZG4Z		1,784	85	0.45	1,755	64	0.36	MT
C6387P		1,724	25	0.13	1,735	44	0.25	TY
CLCWJQ		1,231	-468	-2.50	1,295	-395	-2.19	IN
DR7HJC		1,617	-82	-0.44	1,543	-147	-0.81	IN
EE9PZT		1,615	-85	-0.45	1,607	-83	-0.46	IN
GH2JWK		1,785	85	0.46	1,737	46	0.26	IN
GKXBG6		1,496	-203	-1.08	1,415	-276	-1.53	MT
GWXMFQ		1,480	-220	-1.17	1,470	-220	-1.22	IN
J7796Q		1,765	66	0.35	1,760	70	0.39	IN
KYUK3E		1,804	105	0.56	1,749	58	0.32	IM
MHRPLM		1,790	90	0.48	1,822	132	0.73	IN
NVUR78		1,770	71	0.38	1,810	120	0.66	TH
QJKMKA		1,716	16	0.09	1,737	46	0.26	IN
QRYCJH		1,700	0	0.00	1,737	47	0.26	IN
UBAN7B	X	2,769	1,070	5.70	2,680	990	5.47	IN
UXZ9XK		1,666	-34	-0.18	1,756	65	0.36	MT
VBLUVZ		1,610	-90	-0.48	1,550	-140	-0.77	WZ
WAQQP9		1,726	27	0.14	1,745	54	0.30	IM
XZFU6P		1,578	-121	-0.65	1,569	-121	-0.67	IN
YW8YXR		1,804	105	0.56	1,789	99	0.55	IN

Summary Statistics

	Sample B23	Sample B24
Grand Means	1,699.4 psi	1,690.3 psi
Stnd Dev Btwn Labs	187.6 psi	180.8 psi

Statistics based on 23 of 24 reporting participants

Sample B23: LDPE & Sample B24: LDPE

Plastics Interlaboratory Testing Program

Analysis 770

Tensile Stress at Yield, Film Samples - psi

Comments on assigned Data Flags for Test #770

UBAN7B (X) - Data for both samples are high. Also Inconsistent in testing within Sample B23.

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(LI) - Lloyd Instruments

(ME) - Metrotech

(MT) - MTS/Sintech

(TH) - Thwing Albert

(TY) - Toyoseiki

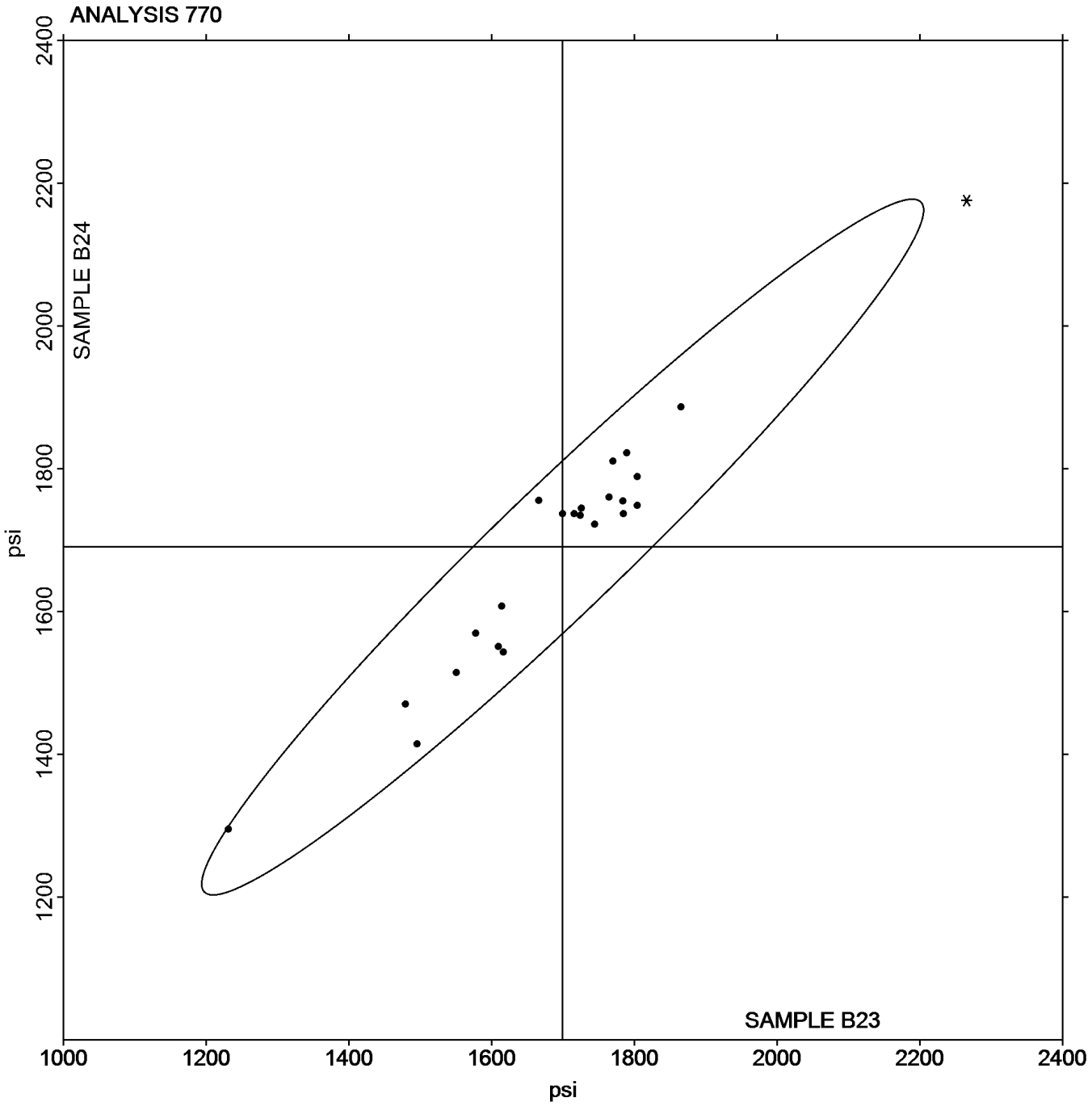
(WZ) - Zwick

Plastics Interlaboratory Testing Program

Analysis 770

Tensile Stress at Yield, Film Samples - psi

Grand Mean Sample B23: 1,699.44 psi Grand Mean Sample B24: 1,690.32 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 771

Tensile Stress at Break, Film Samples - psi

WebCode	Data Flag	Sample B23 Lab Mean	Sample B23 Diff from Grand Mean	Sample B23 CPV	Sample B24 Lab Mean	Sample B24 Diff from Grand Mean	Sample B24 CPV	Instr Code
27VCBW		3,075	-64	-0.22	3,092	-127	-0.44	ME
6NVTPG	*	2,560	-580	-1.94	2,479	-740	-2.57	IN
6R89M2		3,431	291	0.98	3,635	416	1.44	LI
6YDGFA	*	4,151	1,011	3.39	4,096	877	3.04	WZ
6YW4C7		3,242	102	0.34	3,299	80	0.28	IN
78ZG4Z		3,247	108	0.36	3,331	113	0.39	MT
C6387P		3,159	19	0.06	3,194	-25	-0.09	TY
CLCWJQ		3,026	-114	-0.38	3,320	101	0.35	IN
DR7HJC	X	2,370	-770	-2.58	1,953	-1,266	-4.39	IN
EE9PZT		3,140	0	0.00	3,135	-84	-0.29	IN
GGK9U9		2,552	-588	-1.97	2,853	-366	-1.27	IN
GH2JWK		3,338	198	0.66	3,369	150	0.52	IN
GKXBG6		3,242	102	0.34	3,329	110	0.38	MT
GWXMFQ		3,088	-51	-0.17	2,988	-231	-0.80	IN
J7796Q		3,288	148	0.50	3,238	19	0.07	IN
KYUK3E		3,156	16	0.05	3,166	-53	-0.18	IM
MHRPLM		3,280	141	0.47	3,376	157	0.54	IN
NVUR78		3,157	17	0.06	3,340	121	0.42	TH
QJKMKA		3,333	194	0.65	3,432	213	0.74	IN
QRYCJH		2,896	-244	-0.82	3,056	-163	-0.57	IN
UBAN7B	X	5,163	2,023	6.78	5,199	1,980	6.87	IN
UXZ9XK		2,933	-207	-0.69	3,168	-51	-0.18	MT
UZTXPT		2,933	-207	-0.69	3,018	-201	-0.70	IN
VBLUVZ		3,017	-123	-0.41	3,007	-212	-0.74	WZ
WAQQP9		3,091	-49	-0.17	3,218	-1	0.00	IM
XZFU6P		3,023	-117	-0.39	3,068	-151	-0.52	IN
YW8YXR		3,137	-3	-0.01	3,267	48	0.17	IN

Plastics Interlaboratory Testing Program

Analysis 771

Tensile Stress at Break, Film Samples - psi

Summary Statistics

Grand Means	3,139.8 psi	3,218.8 psi
Stnd Dev Btwn Labs	298.4 psi	288.1 psi

Statistics based on 25 of 27 reporting participants

Sample B23: LDPE & Sample B24: LDPE

Comments on assigned Data Flags for Test #771

DR7HJC (X) - Inconsistent in testing between samples, data for Sample B24 are low.

UBAN7B (X) - Data for both samples are high.

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(LI) - Lloyd Instruments

(ME) - Metrotech

(MT) - MTS/Sintech

(TH) - Thwing Albert

(TY) - Toyoseiki

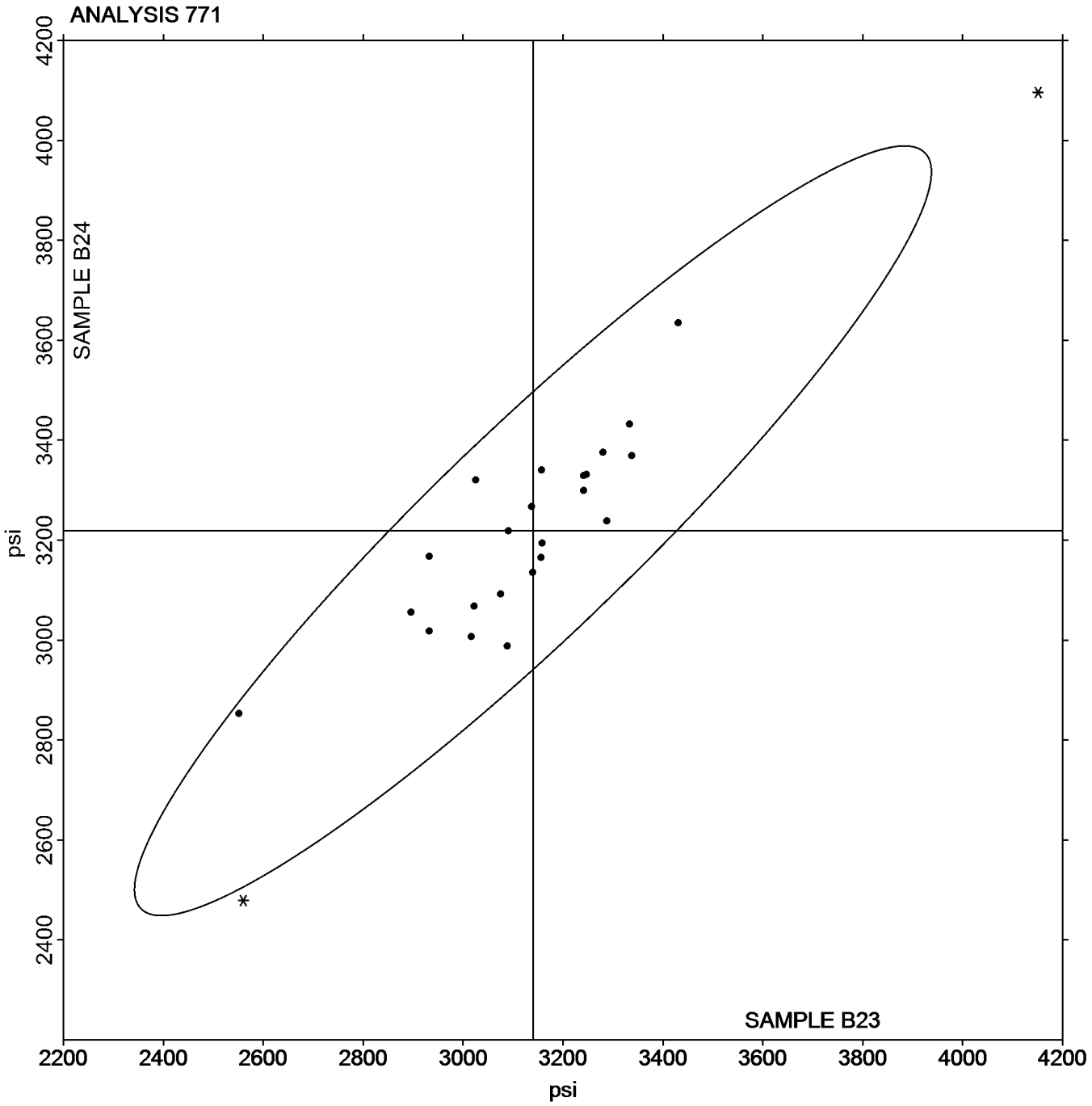
(WZ) - Zwick

Plastics Interlaboratory Testing Program

Analysis 771

Tensile Stress at Break, Film Samples - psi

Grand Mean Sample B23: 3,139.75 psi Grand Mean Sample B24: 3,218.80 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 772

Percent Elongation at Yield, Films

WebCode	Data Flag	Sample B23 Lab Mean	Sample B23 Diff from Grand Mean	Sample B23 CPV	Sample B24 Lab Mean	Sample B24 Diff from Grand Mean	Sample B24 CPV	Instr Code
27VCBW		20.60	-8.15	-0.40	20.99	-8.95	-0.39	ME
6NVTPG		29.08	0.33	0.02	28.69	-1.25	-0.05	IN
6R89M2		19.59	-9.16	-0.45	19.73	-10.21	-0.44	LI
6YDGFA		15.00	-13.75	-0.67	15.20	-14.74	-0.64	WZ
78ZG4Z		20.27	-8.48	-0.42	19.73	-10.21	-0.44	MT
CLCWJQ		4.62	-24.14	-1.18	4.87	-25.07	-1.09	IN
DR7HJC		58.61	29.86	1.46	65.18	35.24	1.53	IN
EE9PZT		11.64	-17.11	-0.84	12.10	-17.84	-0.77	IN
GH2JWK		17.78	-10.97	-0.54	17.22	-12.72	-0.55	IN
GKXBG6		6.26	-22.50	-1.10	5.63	-24.31	-1.05	MT
GWXMFQ		63.42	34.67	1.70	71.23	41.29	1.79	IN
KYUK3E		19.98	-8.77	-0.43	18.92	-11.02	-0.48	IM
QJKMKA		70.93	42.18	2.06	78.94	49.00	2.13	IN
QRYCJH	X	72.90	44.15	2.16	69.45	39.51	1.71	IN
UBAN7B		65.75	37.00	1.81	68.75	38.81	1.68	IN
UXZ9XK		19.98	-8.77	-0.43	18.41	-11.53	-0.50	MT
VBLUVZ		22.20	-6.55	-0.32	22.30	-7.64	-0.33	WZ
WAQQP9		16.69	-12.06	-0.59	16.81	-13.13	-0.57	IM
XZFU6P		31.01	2.26	0.11	29.99	0.05	0.00	IN
YW8YXR		32.90	4.15	0.20	34.10	4.16	0.18	IN

Summary Statistics

	Sample B23	Sample B24
Grand Means	28.753 Percent	29.936 Percent
Stnd Dev Btwn Labs	20.438 Percent	23.050 Percent

Statistics based on 19 of 20 reporting participants

Sample B23: LDPE & Sample B24: LDPE

Comments on assigned Data Flags for Test #772

QRYCJH (X) - Inconsistent in testing between samples and inconsistent in testing within Sample B23.

Plastics Interlaboratory Testing Program
Analysis 772
Percent Elongation at Yield, Films

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(LI) - Lloyd Instruments

(ME) - Metrotech

(MT) - MTS/Sintech

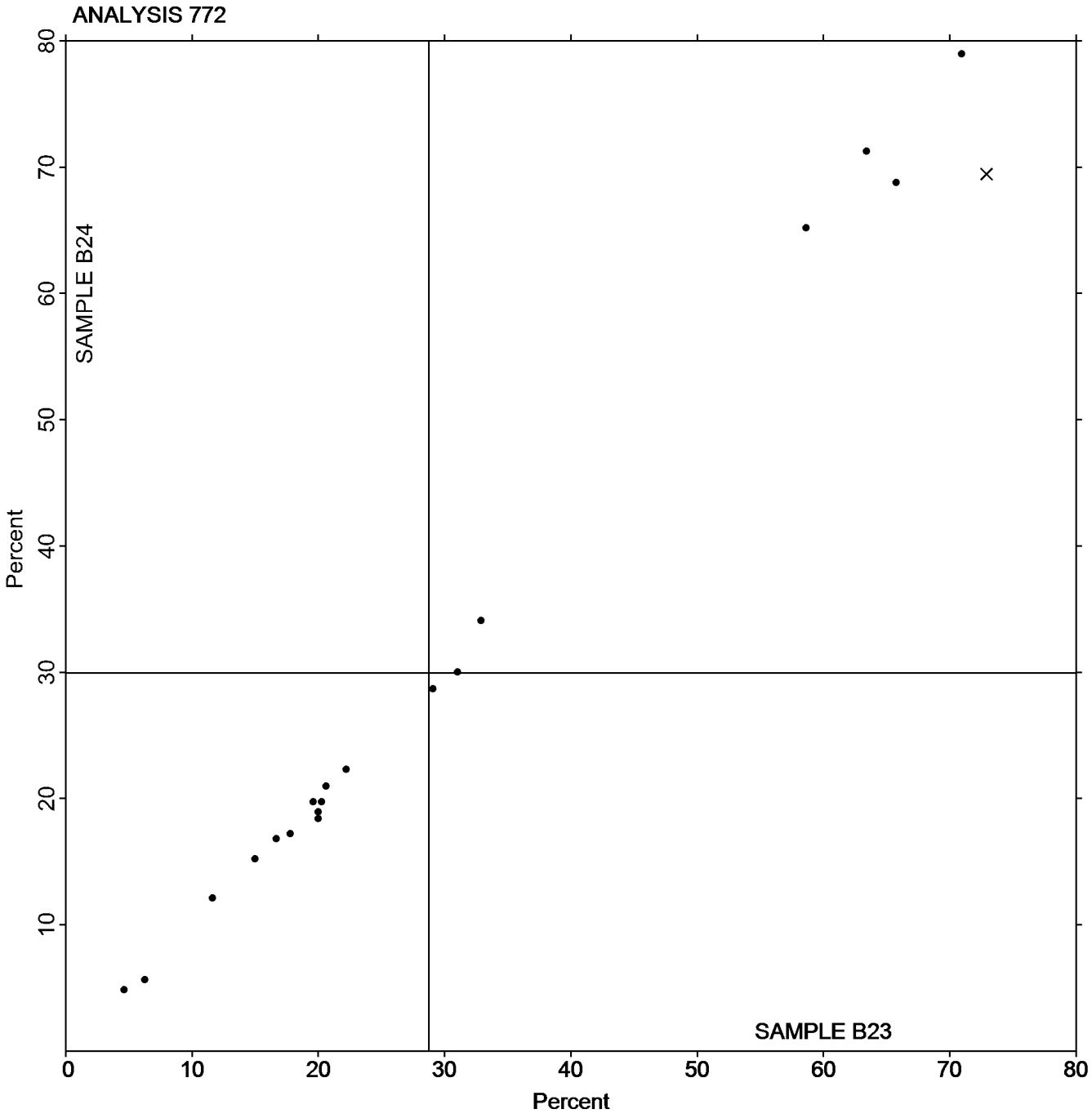
(WZ) - Zwick

Plastics Interlaboratory Testing Program

Analysis 772

Percent Elongation at Yield, Films

Grand Mean Sample B23: 28.753 Percent Grand Mean Sample B24: 29.936 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 773

Percent Elongation at Break, Film Samples

WebCode	Data Flag	Sample B23 Lab Mean	Sample B23 Diff from Grand Mean	Sample B23 CPV	Sample B24 Lab Mean	Sample B24 Diff from Grand Mean	Sample B24 CPV	Instr Code
27VCBW		788.2	86.5	0.70	797.2	95.3	0.74	ME
6NVTPG		803.2	101.5	0.82	779.3	77.4	0.60	IN
6R89M2		763.7	62.0	0.50	773.6	71.7	0.56	LI
6YDGFA		582.0	-119.7	-0.97	574.0	-127.9	-0.99	WZ
6YW4C7		758.8	57.1	0.46	792.8	90.9	0.70	IN
78ZG4Z		755.3	53.6	0.44	741.3	39.4	0.31	MT
CLCWJQ		633.1	-68.6	-0.56	614.4	-87.5	-0.68	IN
DR7HJC		590.5	-111.2	-0.90	541.5	-160.4	-1.24	IN
EE9PZT		847.1	145.4	1.18	829.8	127.9	0.99	IN
GGK9U9		597.9	-103.8	-0.84	610.1	-91.8	-0.71	IN
GH2JWK		623.7	-78.0	-0.63	618.7	-83.2	-0.64	IN
GKXBG6		615.4	-86.3	-0.70	581.7	-120.2	-0.93	MT
GWXMFQ		583.9	-117.8	-0.96	599.8	-102.0	-0.79	IN
J7796Q		628.0	-73.6	-0.60	612.0	-89.9	-0.70	IN
KYUK3E		714.0	12.3	0.10	704.3	2.4	0.02	IM
MHRPLM		602.7	-98.9	-0.80	602.1	-99.7	-0.77	IN
NVUR78		597.5	-104.2	-0.85	605.0	-96.9	-0.75	TH
QJKMKA		900.7	199.0	1.62	949.7	247.8	1.92	IN
QRYCJH		725.2	23.5	0.19	735.1	33.2	0.26	IN
UBAN7B		747.1	45.4	0.37	759.3	57.4	0.44	IN
UXZ9XK		684.3	-17.4	-0.14	692.5	-9.4	-0.07	MT
UZTXPT		782.0	80.3	0.65	789.0	87.1	0.68	IN
VBLUVZ		903.0	201.3	1.63	923.0	221.1	1.71	WZ
WAQQP9		756.5	54.8	0.45	718.3	16.4	0.13	IM
XZFU6P		886.3	184.6	1.50	901.8	199.9	1.55	IN
YW8YXR	*	373.0	-328.7	-2.67	402.0	-299.9	-2.32	IN

Plastics Interlaboratory Testing Program
Analysis 773
Percent Elongation at Break, Film Samples

Summary Statistics

Grand Means				
	701.66	Percent	701.85	Percent
Stnd Dev Btwn Labs				
	123.18	Percent	129.04	Percent

Statistics based on 26 of 26 reporting participants

Sample B23: LDPE & Sample B24: LDPE

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(LI) - Lloyd Instruments

(ME) - Metrotech

(MT) - MTS/Sintech

(TH) - Thwing Albert

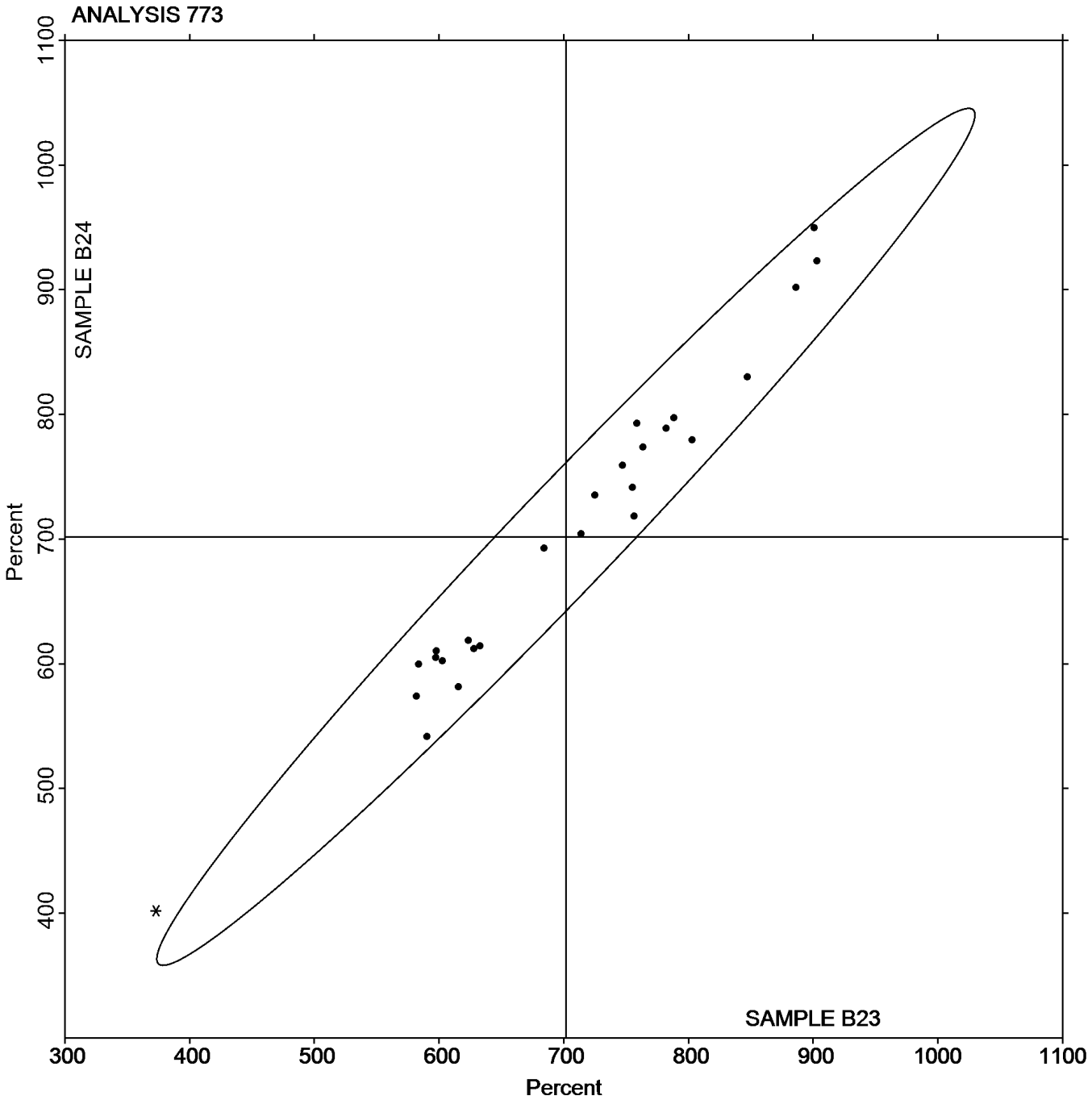
(WZ) - Zwick

Plastics Interlaboratory Testing Program

Analysis 773

Percent Elongation at Break, Film Samples

Grand Mean Sample B23: 701.66 Percent Grand Mean Sample B24: 701.85 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 774

Thickness of Film Tensile Samples - mils

WebCode	Data Flag	Sample B23 Lab Mean	Sample B23 Diff from Grand Mean	Sample B23 CPV	Sample B24 Lab Mean	Sample B24 Diff from Grand Mean	Sample B24 CPV	Instr Code
27VCBW		4.1339	-0.1373	-0.80	4.1379	-0.0233	-0.16	XX
6NVTPG	*	4.5591	0.2879	1.67	3.9213	-0.2398	-1.69	XX
6R89M2		4.1564	-0.1149	-0.67	4.0036	-0.1575	-1.11	XX
6YDGFA	X	3.3465	-0.9248	-5.36	3.2441	-0.9171	-6.48	XX
6YW4C7		4.3180	0.0468	0.27	4.2860	0.1248	0.88	XX
78ZG4Z		4.3580	0.0868	0.50	3.9890	-0.1722	-1.22	XX
9JX6YY		4.5850	0.3138	1.82	4.1050	-0.0562	-0.40	XX
BMDFZZ		4.2900	0.0188	0.11	4.2590	0.0978	0.69	XX
C6387P		4.5669	0.2957	1.71	4.1654	0.0042	0.03	XX
CLCWJQ		4.2402	-0.0310	-0.18	4.0906	-0.0705	-0.50	XX
DR7HJC		4.0910	-0.1802	-1.04	4.0070	-0.1542	-1.09	XX
EE9PZT		4.3700	0.0988	0.57	4.0000	-0.1612	-1.14	XX
GGK9U9		4.0984	-0.1728	-1.00	4.1378	-0.0234	-0.16	XX
GH2JWK		4.5870	0.3158	1.83	4.2660	0.1048	0.74	XX
GKXBG6		4.4800	0.2088	1.21	4.5000	0.3388	2.39	XX
GWXMFQ		4.1200	-0.1512	-0.88	4.1500	-0.0112	-0.08	XX
J7796Q		4.0890	-0.1822	-1.06	4.1530	-0.0082	-0.06	XX
KYUK3E		4.3000	0.0288	0.17	4.0000	-0.1612	-1.14	XX
MHRPLM		4.0440	-0.2272	-1.32	4.0270	-0.1342	-0.95	XX
NVUR78		4.2200	-0.0512	-0.30	4.1100	-0.0512	-0.36	XX
QJKMKA		4.3300	0.0588	0.34	4.2800	0.1188	0.84	XX
QRYCJH		4.3150	0.0438	0.25	4.3250	0.1638	1.16	XX
UAK8LG		4.4240	0.1528	0.89	4.4180	0.2568	1.81	XX
UBAN7B		4.0985	-0.1727	-1.00	4.0591	-0.1020	-0.72	XX
UXZ9XK		4.3700	0.0988	0.57	4.2800	0.1188	0.84	XX
UZTXPT		3.9800	-0.2912	-1.69	4.0900	-0.0712	-0.50	XX
VBLUVZ		4.2047	-0.0665	-0.39	4.2795	0.1184	0.84	XX
WAQQP9		4.2100	-0.0612	-0.35	4.0600	-0.1012	-0.71	XX
XZFU6P		4.2363	-0.0349	-0.20	4.3032	0.1421	1.00	XX
YW8YXR		4.0900	-0.1812	-1.05	4.2700	0.1088	0.77	XX

Plastics Interlaboratory Testing Program
Analysis 774
Thickness of Film Tensile Samples - mils

Summary Statistics

Grand Means		
	4.27123 mils	4.16115 mils
Stnd Dev Btwn Labs		
	0.17256 mils	0.14161 mils

Statistics based on 29 of 30 reporting participants

Sample B23: LDPE & Sample B24: LDPE

Comments on assigned Data Flags for Test #774

6YDGFA (X) - Data for both samples are low.

Instrument Code List as Reported by the Labs

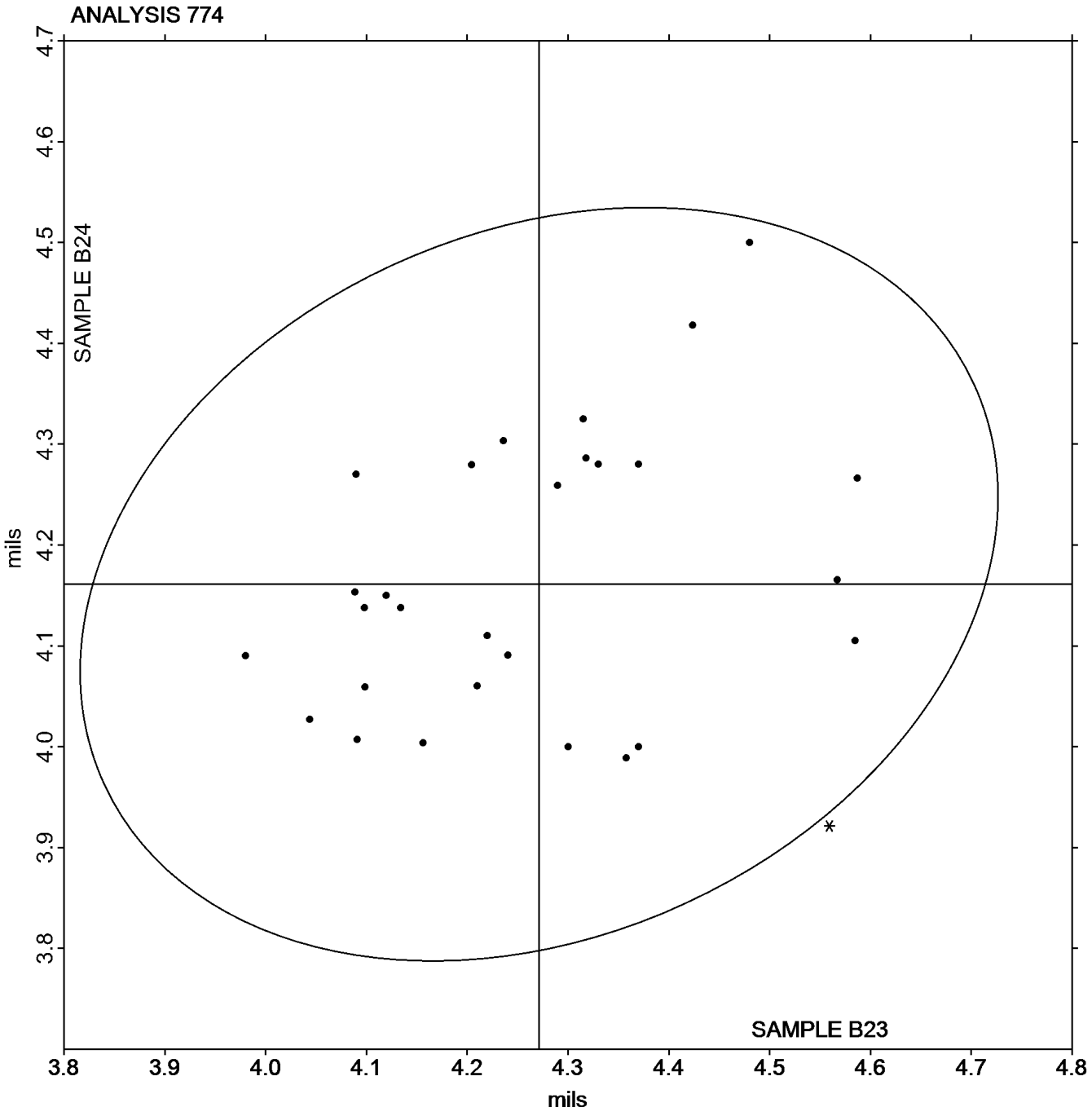
(XX) - Instrument Codes not used by CTS at this time

Plastics Interlaboratory Testing Program

Analysis 774

Thickness of Film Tensile Samples - mils

Grand Mean Sample B23: 4.2712 mils Grand Mean Sample B24: 4.1612 mils



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 775

Secant Modulus at 1% Strain - psi

WebCode	Data Flag	Sample B23 Lab Mean	Sample B23 Diff from Grand Mean	Sample B23 CPV	Sample B24 Lab Mean	Sample B24 Diff from Grand Mean	Sample B24 CPV	Instr Code
27VCBW		36,877	3,811	1.02	35,869	3,258	0.92	ME
6NVTPG		25,963	-7,103	-1.91	26,551	-6,061	-1.71	IN
6R89M2		31,157	-1,909	-0.51	30,559	-2,053	-0.58	LI
6YDGFA	*	42,409	9,343	2.51	42,293	9,682	2.73	WZ
78ZG4Z		33,286	220	0.06	33,022	410	0.12	MT
DR7HJC		26,519	-6,547	-1.76	26,839	-5,773	-1.63	IN
EE9PZT		30,002	-3,064	-0.82	29,503	-3,109	-0.88	IN
GGK9U9	*	39,248	6,181	1.66	36,260	3,648	1.03	IN
GH2JWK		33,258	192	0.05	33,138	526	0.15	IN
GKXBG6		33,286	219	0.06	32,058	-554	-0.16	MT
GWXMFQ		32,333	-733	-0.20	31,879	-733	-0.21	IN
J7796Q		33,524	458	0.12	33,539	927	0.26	IN
KYUK3E		35,077	2,011	0.54	36,214	3,603	1.02	IM
MHRPLM		32,908	-158	-0.04	30,873	-1,739	-0.49	IN
NVUR78		34,199	1,133	0.30	33,381	769	0.22	TH
QJKMKA		31,154	-1,912	-0.51	32,035	-577	-0.16	IN
UBAN7B		35,818	2,752	0.74	35,775	3,163	0.89	IN
UZTXPT		29,780	-3,286	-0.88	28,300	-4,312	-1.22	IN
VBLUVZ		31,546	-1,520	-0.41	31,677	-935	-0.26	WZ
WAQQP9		32,308	-758	-0.20	31,655	-957	-0.27	IM
XZFU6P		33,738	671	0.18	33,427	815	0.23	IN

Summary Statistics

	Sample B23	Sample B24
Grand Means	33,066.1 psi	32,611.8 psi
Stnd Dev Btwn Labs	3,728.1 psi	3,547.7 psi

Statistics based on 21 of 21 reporting participants

Sample B23: LDPE & Sample B24: LDPE

Plastics Interlaboratory Testing Program

Analysis 775

Secant Modulus at 1% Strain - psi

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(LI) - Lloyd Instruments

(ME) - Metrotech

(MT) - MTS/Sintech

(TH) - Thwing Albert

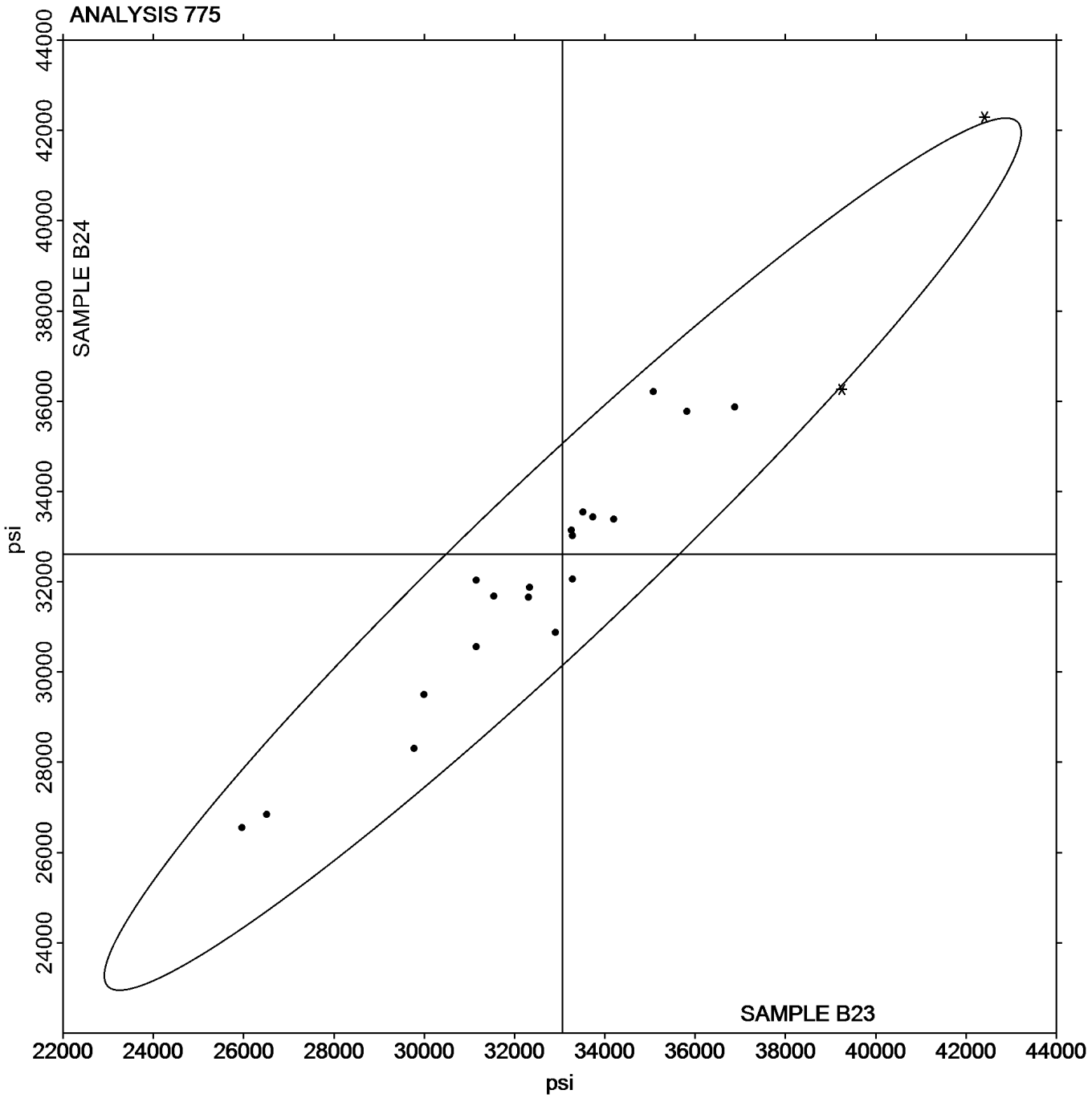
(WZ) - Zwick

Plastics Interlaboratory Testing Program

Analysis 775

Secant Modulus at 1% Strain - psi

Grand Mean Sample B23: 33,066.09 psi Grand Mean Sample B24: 32,611.75 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 776

Secant Modulus at 2% Strain - psi

WebCode	Data Flag	Sample B23 Lab Mean	Sample B23 Diff from Grand Mean	Sample B23 CPV	Sample B24 Lab Mean	Sample B24 Diff from Grand Mean	Sample B24 CPV	Instr Code
27VCBW		29,913	2,077	0.84	29,404	1,834	0.77	ME
6R89M2		26,433	-1,403	-0.57	25,871	-1,699	-0.71	LI
6YDGFA		33,881	6,045	2.45	34,026	6,457	2.69	IN
78ZG4Z		27,798	-39	-0.02	27,305	-264	-0.11	MT
DR7HJC		21,748	-6,088	-2.47	22,224	-5,346	-2.23	IN
EE9PZT		26,439	-1,397	-0.57	25,903	-1,667	-0.70	IN
GGK9U9	*	31,067	3,231	1.31	28,529	960	0.40	IN
GKXBG6		27,699	-137	-0.06	27,472	-97	-0.04	MT
GWXMFQ		28,134	298	0.12	28,103	533	0.22	IN
J7796Q		28,334	498	0.20	28,277	707	0.30	IN
KYUK3E		29,024	1,188	0.48	30,341	2,771	1.16	IM
MHRPLM		28,300	464	0.19	27,090	-480	-0.20	IN
NVUR78		28,312	475	0.19	27,823	254	0.11	TH
QJKMKA		26,204	-1,632	-0.66	27,234	-336	-0.14	IN
UBAN7B		28,881	1,045	0.42	28,772	1,203	0.50	XX
UZTXPT		25,620	-2,216	-0.90	24,570	-3,000	-1.25	IN
VBLUVZ		25,527	-2,309	-0.94	25,875	-1,695	-0.71	WZ
WAQQP9		27,090	-746	-0.30	26,833	-737	-0.31	IM
XZFU6P		28,484	648	0.26	28,171	601	0.25	IN

Summary Statistics

	Sample B23	Sample B24
Grand Means	27,836.3 psi	27,569.6 psi
Stnd Dev Btwn Labs	2,466.1 psi	2,396.6 psi

Statistics based on 19 of 19 reporting participants

Sample B23: LDPE & Sample B24: LDPE

Plastics Interlaboratory Testing Program

Analysis 776

Secant Modulus at 2% Strain - psi

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(LI) - Lloyd Instruments

(ME) - Metrotech

(MT) - MTS/Sintech

(TH) - Thwing Albert

(WZ) - Zwick

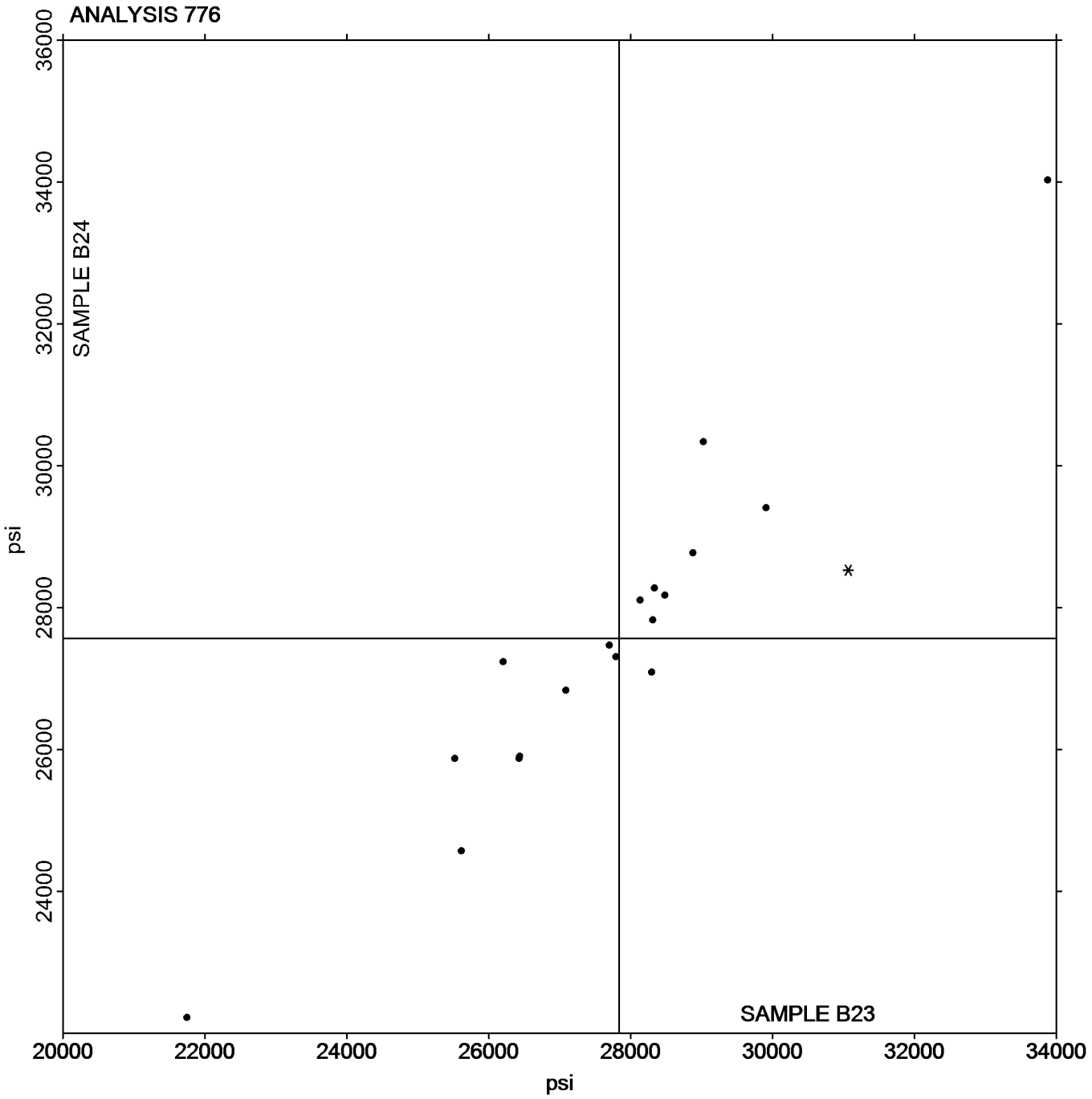
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 776

Secant Modulus at 2% Strain - psi

Grand Mean Sample B23: 27,836.29 psi Grand Mean Sample B24: 27,569.60 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 780

Coefficient of Static Friction

WebCode	Data Flag	Sample P23 Lab Mean	Sample P23 Diff from Grand Mean	Sample P23 CPV	Sample P24 Lab Mean	Sample P24 Diff from Grand Mean	Sample P24 CPV	Instr Code
3HP4K6		0.1936	0.0740	2.02	0.1894	0.0694	1.93	TH
4JV36C		0.1179	-0.0016	-0.04	0.1203	0.0003	0.01	IG
68JZ98		0.1076	-0.0120	-0.33	0.1074	-0.0126	-0.35	IS
6NVTPG		0.1240	0.0044	0.12	0.1140	-0.0060	-0.17	TL
6YDGFA		0.0380	-0.0816	-2.23	0.0320	-0.0880	-2.45	XX
78ZG4Z		0.1560	0.0364	1.00	0.1352	0.0152	0.42	MT
7FFJQM		0.1428	0.0232	0.64	0.1302	0.0102	0.28	TH
AG4UF7	X	143.0000	142.8804	3,907.44	127.2000	127.0800	3,539.20	RD
EE9PZT		0.0906	-0.0290	-0.79	0.1000	-0.0200	-0.56	TN
GGK9U9		0.1234	0.0038	0.10	0.1510	0.0310	0.86	TM
GH2JWK		0.1002	-0.0194	-0.53	0.1022	-0.0178	-0.50	RD
GKXBG6		0.1588	0.0392	1.07	0.1598	0.0398	1.11	MI
J7796Q		0.0935	-0.0261	-0.71	0.0884	-0.0316	-0.88	TM
K2HQQR		0.0742	-0.0454	-1.24	0.0776	-0.0424	-1.18	TN
L3M69H		0.1040	-0.0156	-0.43	0.1000	-0.0200	-0.56	KA
NVUR78		0.1102	-0.0094	-0.26	0.1090	-0.0110	-0.31	TH
QJKMKA		0.1116	-0.0080	-0.22	0.1106	-0.0094	-0.26	IS
QY3RF4		0.0720	-0.0476	-1.30	0.0940	-0.0260	-0.72	IG
UBAN7B		0.1216	0.0020	0.06	0.1220	0.0020	0.05	IG
UXZ9XK		0.1332	0.0136	0.37	0.1454	0.0254	0.71	MI
UZTXPT		0.1530	0.0334	0.91	0.1346	0.0146	0.41	IG
WAQQP9		0.1180	-0.0016	-0.04	0.1216	0.0016	0.04	TH
WDRH6N		0.1862	0.0666	1.82	0.1960	0.0760	2.12	IG

Summary Statistics

Grand Means

0.11956 COF — 0.12003 COF

Stnd Dev Btwn Labs

0.03657 COF — 0.03591 COF

Statistics based on 22 of 23 reporting participants

Sample P23: LDPE & Sample P24: LDPE

Plastics Interlaboratory Testing Program
Analysis 780
Coefficient of Static Friction

Comments on assigned Data Flags for Test #780

AG4UF7 (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

Instrument Code List as Reported by the Labs

(IG) - Instron

(IS) - Instron 5000 Series

(KA) - Kayeness Inc.

(MI) - MTS Insight

(MT) - MTS Q-Test

(RD) - RDM CF

(TH) - Thwing Albert Friction/Peel Tester Model 225-1

(TL) - TMI #32-90

(TM) - TMI Slip and Friction Tester

(TN) - TMI #32-06

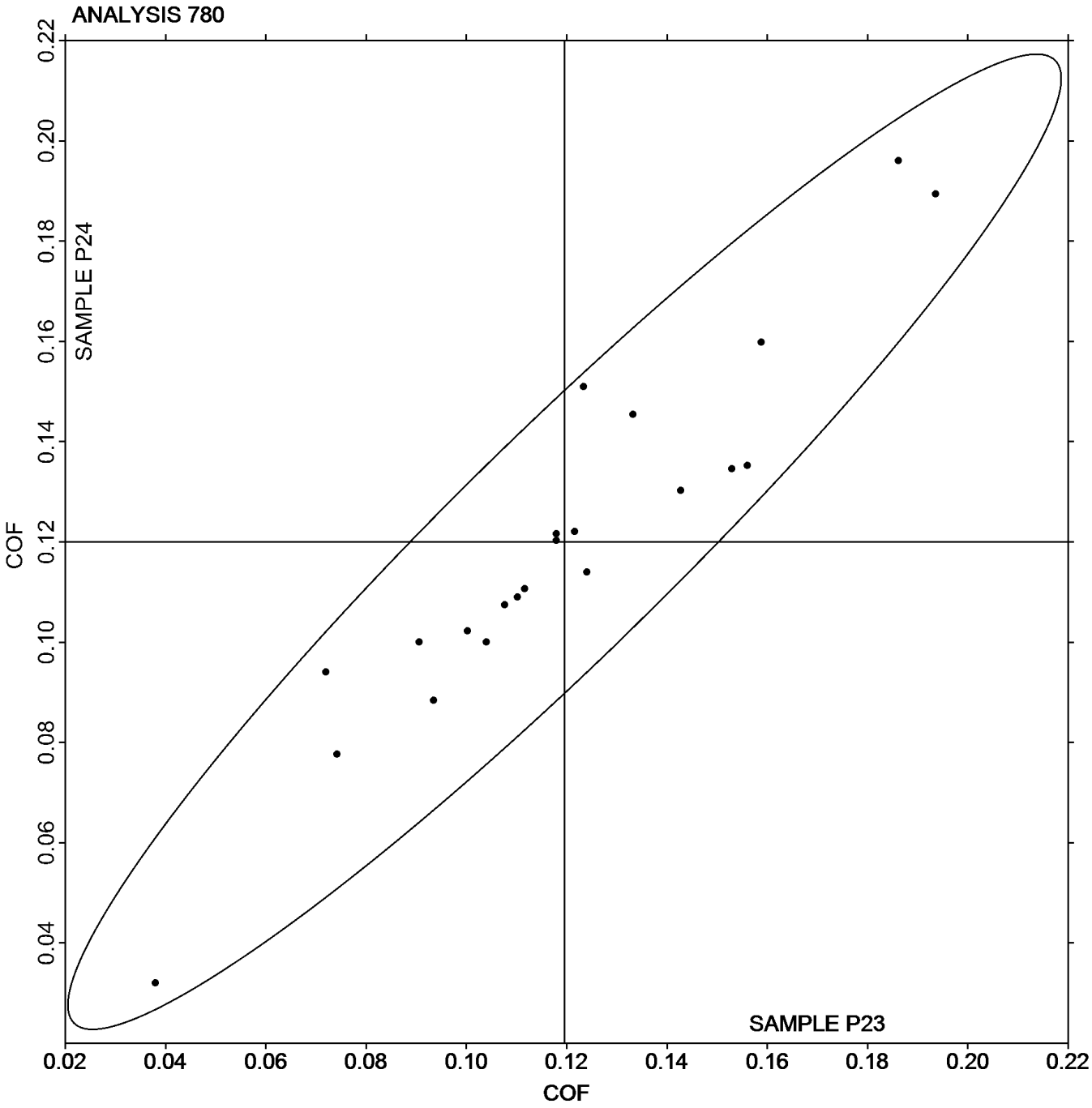
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 780

Coefficient of Static Friction

Grand Mean Sample P23: 0.11956 COF Grand Mean Sample P24: 0.12003 COF



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 781

Coefficient of Kinetic Friction

WebCode	Data Flag	Sample P23 Lab Mean	Sample P23 Diff from Grand Mean	Sample P23 CPV	Sample P24 Lab Mean	Sample P24 Diff from Grand Mean	Sample P24 CPV	Instr Code
3HP4K6		0.1254	0.0395	1.42	0.1322	0.0460	1.83	TH
4JV36C		0.1050	0.0191	0.69	0.1091	0.0229	0.91	IG
68JZ98		0.0814	-0.0045	-0.16	0.0912	0.0050	0.20	IS
6NVTPG		0.0960	0.0101	0.36	0.0840	-0.0022	-0.09	TL
6YDGFA		0.0320	-0.0539	-1.94	0.0300	-0.0562	-2.23	XX
78ZG4Z		0.1134	0.0275	0.99	0.1006	0.0144	0.57	MT
7FFJQM		0.0826	-0.0033	-0.12	0.0818	-0.0044	-0.17	TH
AG4UF7	X	140.4000	140.3141	5,047.73	123.8000	123.7138	4,907.87	RD
EE9PZT		0.0520	-0.0339	-1.22	0.0610	-0.0252	-1.00	TN
GGK9U9		0.1068	0.0209	0.75	0.1122	0.0260	1.03	TM
GH2JWK		0.0888	0.0029	0.10	0.0900	0.0038	0.15	RD
GKXBG6		0.1076	0.0217	0.78	0.1070	0.0208	0.83	MI
J7796Q		0.0785	-0.0074	-0.27	0.0764	-0.0098	-0.39	TM
K2HQQR		0.0564	-0.0295	-1.06	0.0582	-0.0280	-1.11	TN
L3M69H		0.1040	0.0181	0.65	0.1000	0.0138	0.55	KA
NVUR78		0.0640	-0.0219	-0.79	0.0672	-0.0190	-0.75	TH
QJKMKA		0.0732	-0.0127	-0.46	0.0742	-0.0120	-0.48	IS
QY3RF4		0.0480	-0.0379	-1.36	0.0520	-0.0342	-1.36	IG
UBAN7B		0.0782	-0.0077	-0.28	0.0852	-0.0010	-0.04	IG
UXZ9XK		0.0634	-0.0225	-0.81	0.0680	-0.0182	-0.72	MI
UZTXPT		0.1176	0.0317	1.14	0.1082	0.0220	0.87	IG
WAQQP9		0.0722	-0.0137	-0.49	0.0780	-0.0082	-0.33	TH
WDRH6N		0.1438	0.0579	2.08	0.1298	0.0436	1.73	IG

Summary Statistics

Grand Means

0.08593 COF (Sample P23) 0.08619 COF (Sample P24)

Stnd Dev Btwn Labs

0.02780 COF (Sample P23) 0.02521 COF (Sample P24)

Statistics based on 22 of 23 reporting participants

Sample P23: LDPE & Sample P24: LDPE

Plastics Interlaboratory Testing Program
Analysis 781
Coefficient of Kinetic Friction

Comments on assigned Data Flags for Test #781

AG4UF7 (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

Instrument Code List as Reported by the Labs

(IG) - Instron

(IS) - Instron 5000 Series

(KA) - Kayeness Inc.

(MI) - MTS Insight

(MT) - MTS Q-Test

(RD) - RDM CF

(TH) - Thwing Albert Friction/Peel Tester Model 225-1

(TL) - TMI #32-90

(TM) - TMI Slip and Friction Tester

(TN) - TMI #32-06

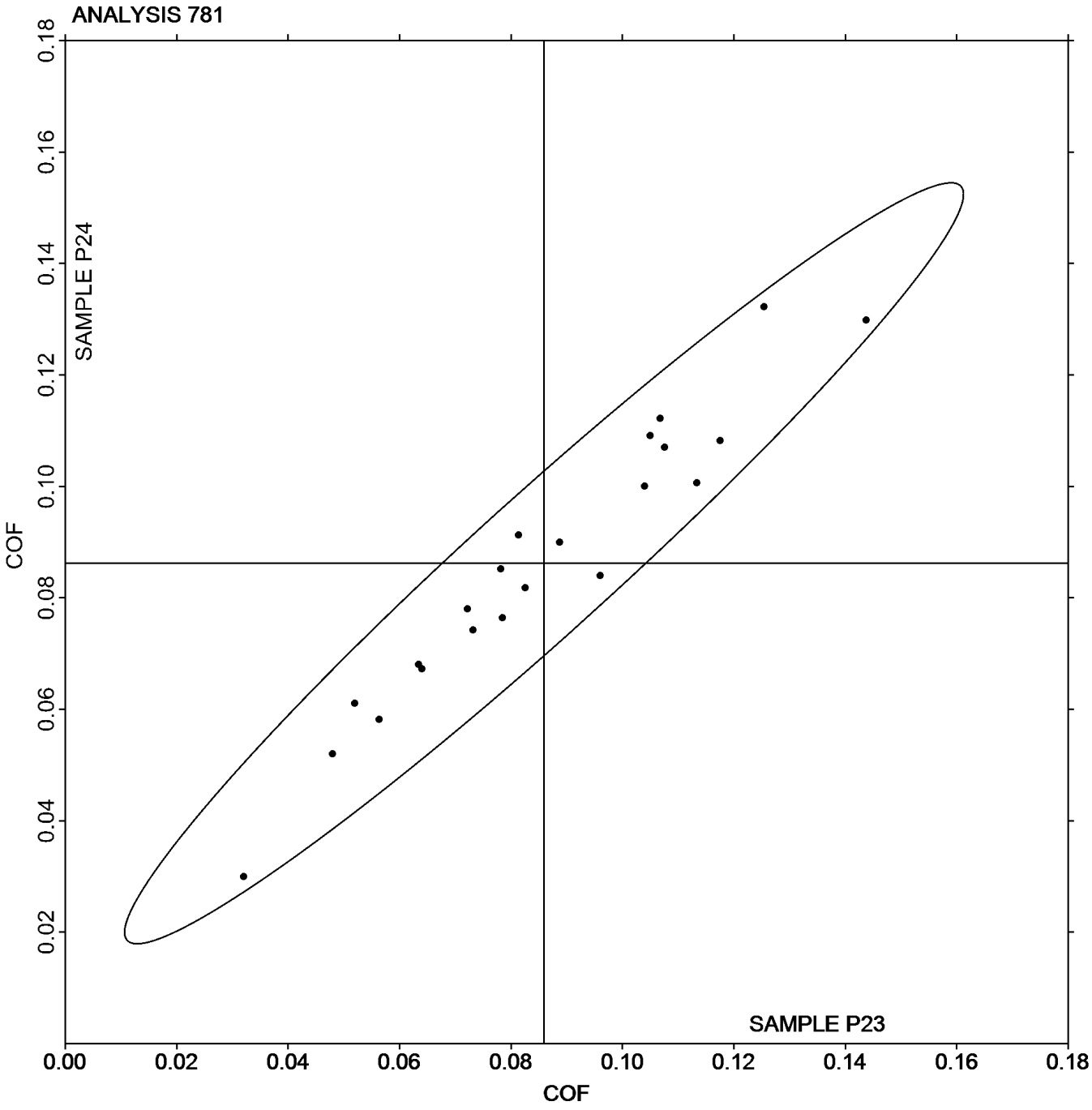
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 781

Coefficient of Kinetic Friction

Grand Mean Sample P23: 0.08593 COF Grand Mean Sample P24: 0.08619 COF



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 782

Tear Resistance of Films

WebCode	Data Flag	Sample Q23 Lab Mean	Sample Q23 Diff from Grand Mean	Sample Q23 CPV	Sample Q24 Lab Mean	Sample Q24 Diff from Grand Mean	Sample Q24 CPV	Instr Code
6NVTPG		350.1	-0.8	-0.02	389.5	0.5	0.01	TM
6YDGFA		354.2	3.3	0.09	457.4	68.3	1.86	TA
CLCWJQ		313.1	-37.8	-1.04	383.3	-5.7	-0.16	SZ
EE9PZT		307.1	-43.8	-1.20	369.5	-19.5	-0.53	TM
GH2JWK		336.3	-14.6	-0.40	372.5	-16.5	-0.45	TE
GKXBG6		291.8	-59.2	-1.62	357.2	-31.8	-0.87	TE
GWXMFQ		370.9	19.9	0.54	362.7	-26.4	-0.72	TM
J7796Q		334.4	-16.5	-0.45	407.7	18.6	0.51	TE
JKGTYH		340.2	-10.8	-0.29	318.2	-70.9	-1.93	LO
QJKMKA		413.4	62.5	1.71	433.6	44.6	1.21	TE
UBAN7B		355.6	4.6	0.13	404.8	15.8	0.43	IN
UXZ9XK		354.7	3.8	0.10	381.2	-7.8	-0.21	TA
UZTXPT		423.6	72.7	1.99	438.3	49.3	1.34	TN
WAQQP9		367.8	16.9	0.46	370.8	-18.2	-0.50	TE

Summary Statistics

	Sample Q23	Sample Q24
Grand Means	350.94 grams-force	389.04 grams-force
Stnd Dev Btwn Labs	36.55 grams-force	36.68 grams-force

Statistics based on 14 of 14 reporting participants

Sample Q23: LDPE & Sample Q24: LDPE

Instrument Code List as Reported by the Labs

(IN) - Instron

(LO) - Lorentzen & Wettre Model II

(SZ) - Textest FX 3700

(TA) - Thwing-Albert

(TE) - Thwing-Albert Pro Tear

(TM) - TMI No. 83-1100

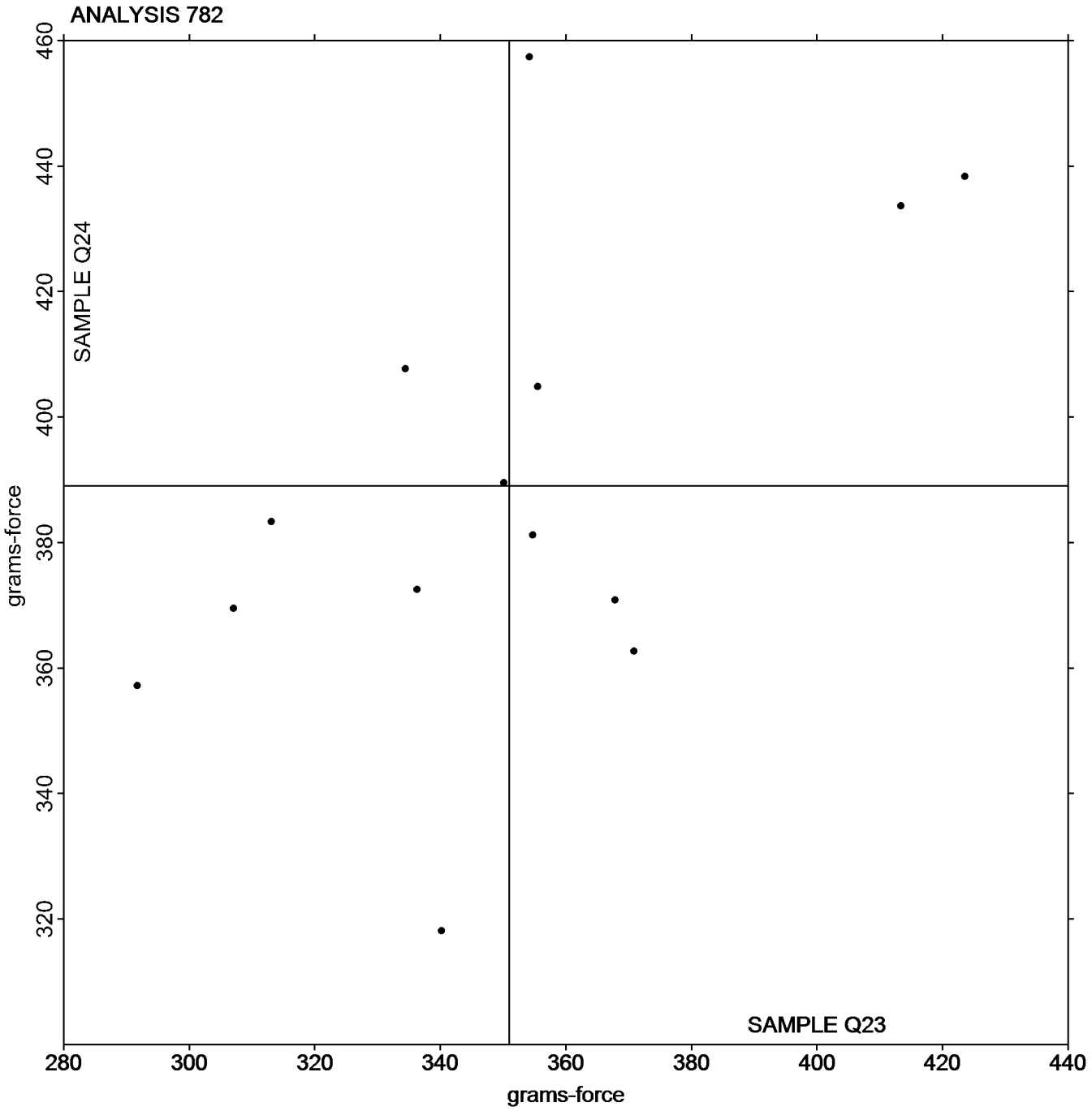
(TN) - TMI Tear Tester 83-10

Plastics Interlaboratory Testing Program

Analysis 782

Tear Resistance of Films

Grand Mean Sample Q23: 350.94 grams-force Grand Mean Sample Q24: 389.04 grams-force



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 785

Percent Haze of Film

WebCode	Data Flag	Sample D23 Lab Mean	Sample D23 Diff from Grand Mean	Sample D23 CPV	Sample D24 Lab Mean	Sample D24 Diff from Grand Mean	Sample D24 CPV	Instr Code
2JEWVP		15.613	-1.234	-1.53	14.138	-0.957	-1.20	BJ
3HP4K6		15.925	-0.921	-1.14	14.813	-0.282	-0.35	BH
3JZ2M2		15.150	-1.696	-2.10	13.169	-1.926	-2.42	HL
68JZ98		17.388	0.541	0.67	15.450	0.355	0.45	BJ
6NVTPG		16.988	0.141	0.18	15.588	0.493	0.62	BJ
6YDGFA		17.275	0.429	0.53	14.963	-0.132	-0.17	BJ
9R7UDJ		17.526	0.680	0.84	15.659	0.564	0.71	BJ
9XAY64		15.289	-1.557	-1.93	13.938	-1.157	-1.45	XR
B9UTQ3		17.681	0.835	1.04	15.294	0.199	0.25	XR
BMDFZZ		16.450	-0.396	-0.49	14.963	-0.132	-0.17	BJ
CLCWJQ		16.813	-0.034	-0.04	14.638	-0.457	-0.57	BJ
DJYM4X		16.863	0.016	0.02	14.675	-0.420	-0.53	BJ
DR7HJC		17.498	0.651	0.81	15.813	0.718	0.90	HC
EE9PZT		18.025	1.179	1.46	16.350	1.255	1.58	BJ
GH2JWK		17.013	0.166	0.21	15.225	0.130	0.16	BJ
GKXBG6		17.200	0.354	0.44	15.200	0.105	0.13	BJ
GL87C6		16.188	-0.659	-0.82	14.175	-0.920	-1.15	BJ
J7796Q		16.950	0.104	0.13	15.075	-0.020	-0.02	BJ
NUTFYK		16.030	-0.816	-1.01	14.416	-0.679	-0.85	XR
Q9TDL2		16.900	0.054	0.07	14.725	-0.370	-0.46	BJ
QFTVYT		18.263	1.416	1.76	16.625	1.530	1.92	DA
QJKMKA		17.321	0.475	0.59	15.663	0.568	0.71	BT
UXZ9XK		16.750	-0.096	-0.12	15.875	0.780	0.98	XX
WAQQP9		17.210	0.364	0.45	15.850	0.755	0.95	BJ

Summary Statistics

	Sample D23	Sample D24
Grand Means	16.8460 Percent	15.0948 Percent
Stnd Dev Btwn Labs	0.8060 Percent	0.7967 Percent

Statistics based on 24 of 24 reporting participants

Sample D23: LDPE & Sample D24: LDPE

Plastics Interlaboratory Testing Program

Analysis 785

Percent Haze of Film

Instrument Code List as Reported by the Labs

(BH) - BYK-Gardner/Pacific Scientific Model XL-211

(BJ) - BYK-Gardner Haze-Gard Plus

(BT) - BYK Gardner TCS Series

(DA) - Datacolor SF 600 Series

(HC) - Hunterlab ColorQuest

(HL) - Hunterlab Ultrascan

(XR) - X-Rite Spectrocolorimeter (any model)

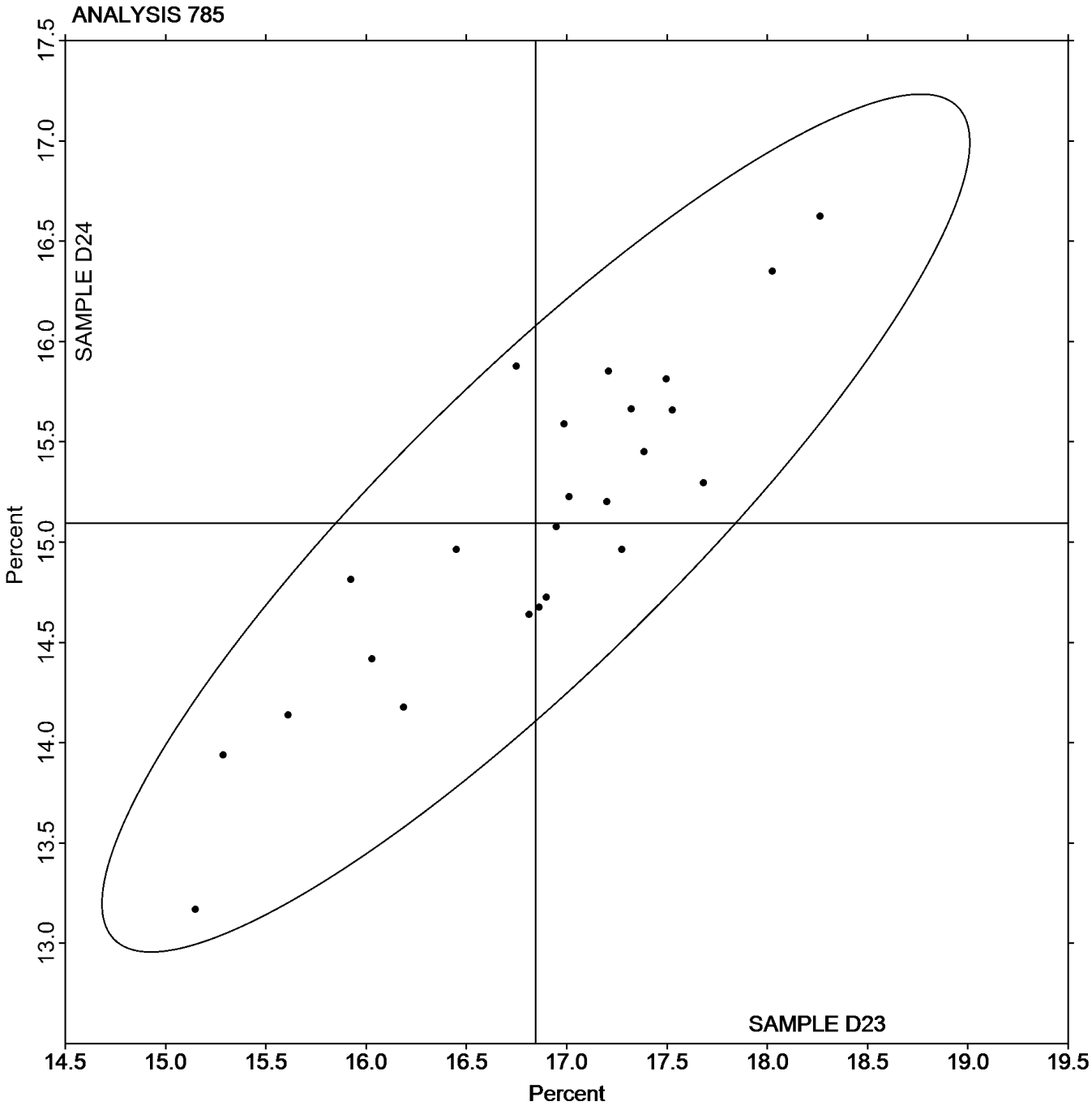
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 785

Percent Haze of Film

Grand Mean Sample D23: 16.846 Percent Grand Mean Sample D24: 15.095 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 786

Total Luminous transmittance of film

WebCode	Data Flag	Sample D23 Lab Mean	Sample D23 Diff from Grand Mean	Sample D23 CPV	Sample D24 Lab Mean	Sample D24 Diff from Grand Mean	Sample D24 CPV	Instr Code
2JEWVP		92.01	-0.13	-0.14	92.10	0.03	0.04	BJ
3HP4K6		91.55	-0.59	-0.63	91.49	-0.58	-0.66	BH
3JZ2M2		90.25	-1.89	-2.02	90.37	-1.69	-1.91	HL
68JZ98		91.64	-0.50	-0.54	91.70	-0.37	-0.42	BJ
6NVTPG	X	78.13	-14.02	-14.96	79.29	-12.78	-14.41	BJ
6YDGFA		91.84	-0.30	-0.32	91.91	-0.16	-0.18	BJ
9R7UDJ		92.83	0.69	0.74	92.61	0.54	0.61	BJ
9XAY64		90.99	-1.15	-1.23	90.77	-1.30	-1.47	XR
B9UTQ3		91.43	-0.71	-0.76	91.33	-0.74	-0.83	XR
BMDFZZ		94.24	2.10	2.24	94.03	1.96	2.21	BJ
CLCWJQ	*	91.01	-1.13	-1.20	91.58	-0.49	-0.56	BJ
DJYM4X		93.11	0.97	1.04	93.15	1.08	1.22	BJ
DR7HJC		92.49	0.35	0.37	92.51	0.44	0.50	HC
EE9PZT		92.38	0.23	0.25	92.24	0.17	0.19	BJ
GH2JWK		93.31	1.17	1.25	93.01	0.94	1.06	BJ
GKXBG6		92.94	0.80	0.85	92.61	0.54	0.61	BJ
GL87C6		92.50	0.36	0.38	92.38	0.31	0.35	BJ
J7796Q		92.14	0.00	0.00	91.94	-0.13	-0.15	BJ
NUTFYK		91.55	-0.59	-0.63	91.40	-0.67	-0.75	XR
Q9TDL2		92.81	0.67	0.72	92.74	0.67	0.75	BJ
QFTVYT		90.86	-1.28	-1.37	90.51	-1.56	-1.76	DA
QJKMKA		92.75	0.61	0.65	92.64	0.57	0.64	BT
WAQQP9		92.46	0.32	0.34	92.51	0.44	0.50	BJ

Summary Statistics

	Sample D23	Sample D24
Grand Means	92.140 Percent	92.069 Percent
Stnd Dev Btwn Labs	0.937 Percent	0.887 Percent

Statistics based on 22 of 23 reporting participants

Sample D23: LDPE & Sample D24: LDPE

Plastics Interlaboratory Testing Program
Analysis 786
Total Luminous transmittance of film

Comments on assigned Data Flags for Test #786

6NVTPG (X) - Data for both samples are low. Also Inconsistent in testing within both samples.

Instrument Code List as Reported by the Labs

(BH) - BYK-Gardner/Pacific Scientific Model XL-211

(BJ) - BYK-Gardner Haze-Gard Plus

(BT) - BYK Gardner TCS Plus Spectrophotometer

(DA) - Datacolor SF 600 Series

(HC) - Hunterlab ColorQuest

(HL) - Hunterlab Ultrascan XE

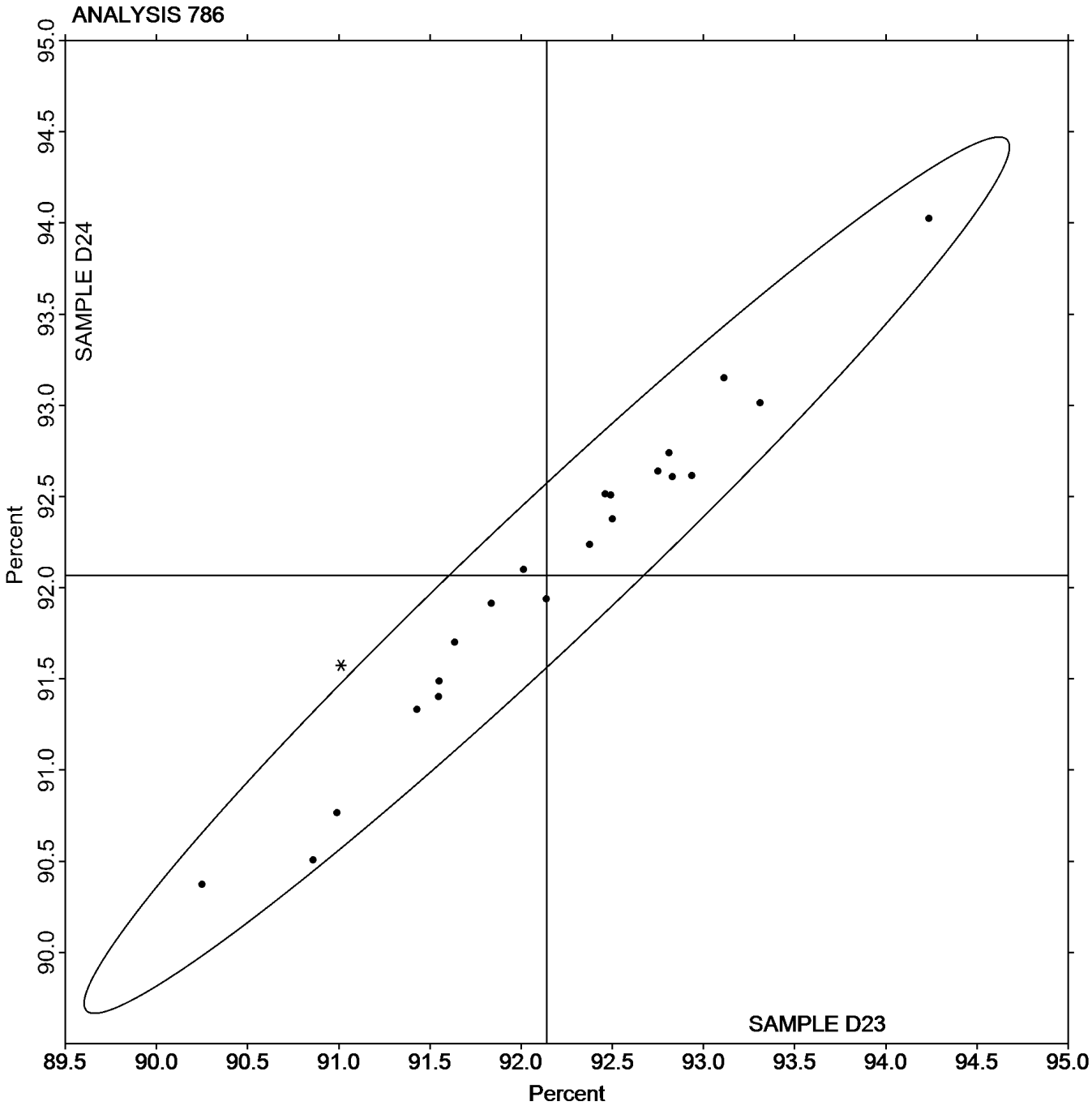
(XR) - X-Rite Spectrocolorimeter (any model)

Plastics Interlaboratory Testing Program

Analysis 786

Total Luminous transmittance of film

Grand Mean Sample D23: 92.140 Percent Grand Mean Sample D24: 92.069 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 755

Moisture Content of Plastics

WebCode	Data Flag	Sample Y23 Lab Mean	Sample Y23 Diff from Grand Mean	Sample Y23 CPV	Sample Y24 Lab Mean	Sample Y24 Diff from Grand Mean	Sample Y24 CPV	Instr Code
2URFXT		0.27603	0.03847	1.50	0.29233	0.03060	0.98	ML
2WNK3Z		0.25767	0.02011	0.78	0.28933	0.02760	0.88	XX
3DAUY2		0.21303	-0.02453	-0.95	0.24233	-0.01940	-0.62	XX
4RLKE2		0.20750	-0.03006	-1.17	0.21600	-0.04574	-1.46	SB
4YJCJP		0.30000	0.06244	2.43	0.34000	0.07826	2.50	MU
63N93V	X	0.12817	-0.10939	-4.26	0.14737	-0.11437	-3.66	MU
72PAH2		0.24173	0.00417	0.16	0.27277	0.01103	0.35	AZ
78ZEEV		0.24067	0.00311	0.12	0.27850	0.01676	0.54	MD
7FQYKU		0.23600	-0.00156	-0.06	0.26500	0.00326	0.10	MK
BV9FER		0.24263	0.00507	0.20	0.27250	0.01076	0.34	MJ
BY8WP2		0.26183	0.02427	0.94	0.28540	0.02366	0.76	MR
C47KU9		0.24850	0.01094	0.43	0.27350	0.01176	0.38	CT
CETLAH		0.21300	-0.02456	-0.96	0.26233	0.00060	0.02	AZ
DDUZVH		0.20667	-0.03089	-1.20	0.21000	-0.05174	-1.65	XX
EN7PAD		0.22533	-0.01223	-0.48	0.24300	-0.01874	-0.60	AZ
F2H9VR		0.20420	-0.03336	-1.30	0.23827	-0.02347	-0.75	XX
GGK9U9		0.23307	-0.00449	-0.17	0.22770	-0.03404	-1.09	MD
JCFTQ2		0.24300	0.00544	0.21	0.27400	0.01226	0.39	SA
JEM228	*	0.16957	-0.06799	-2.65	0.17867	-0.08307	-2.66	MT
K2HQQR		0.23600	-0.00156	-0.06	0.26800	0.00626	0.20	MA
KZY4RW		0.23900	0.00144	0.06	0.26133	-0.00040	-0.01	MU
LBUPF8		0.23890	0.00134	0.05	0.26487	0.00313	0.10	MR
N2R6HA		0.24590	0.00834	0.32	0.28143	0.01970	0.63	XX
PWKARD		0.24467	0.00711	0.28	0.26633	0.00460	0.15	CS
QJKMKA		0.24133	0.00377	0.15	0.27333	0.01160	0.37	ML
TDYXER		0.22300	-0.01456	-0.57	0.25900	-0.00274	-0.09	SB
VQ84ZG		0.21000	-0.02756	-1.07	0.26000	-0.00174	-0.06	XX
X7BHAA		0.24900	0.01144	0.45	0.26400	0.00226	0.07	MB
YGW3WD		0.22300	-0.01456	-0.57	0.21800	-0.04374	-1.40	MB
YGW6MG	X	0.33167	0.09411	3.66	0.27767	0.01593	0.51	XX
Z8RH8P		0.26313	0.02557	1.00	0.26647	0.00473	0.15	MU
ZAP6DY		0.24423	0.00667	0.26	0.27780	0.01606	0.51	MJ

Plastics Interlaboratory Testing Program

Analysis 755

Moisture Content of Plastics

WebCode	Data Flag	Sample Y23 Lab Mean	Sample Y23 Diff from Grand Mean	Sample Y23 CPV	Sample Y24 Lab Mean	Sample Y24 Diff from Grand Mean	Sample Y24 CPV	Instr Code
ZKTBGD		0.29000	0.05244	2.04	0.32000	0.05826	1.86	XX
ZQ9PG4		0.23333	-0.00423	-0.16	0.23333	-0.02840	-0.91	CS

Summary Statistics

Grand Means

0.237560 Percent — 0.261735 Percent

Stnd Dev Btwn Labs

0.025695 Percent — 0.031269 Percent

Statistics based on 32 of 34 reporting participants

Sample Y23: ABS & Sample Y24: ABS

Comments on assigned Data Flags for Test #755

63N93V (X) - Data for both samples are low.

YGW6MG (X) - High data for Sample Y23.

Instrument Code List as Reported by the Labs

(AZ) - Arizona Instruments Moisture Analyzer

(CS) - Cosa Instruments

(CT) - Computrac Moisture Analyzer

(MA) - Omnimark Mark 2

(MB) - Omnimark Mark 3

(MD) - Mettler Toledo DL37

(MJ) - Mitsubishi KF Analyzer Series

(MK) - Mitsubishi KF Analyzer CA 100

(ML) - Metrohm Coulometer

(MR) - Metrohm Coulineter 756 KF

(MT) - Mettler Toledo DL39

(MU) - Mettler Toledo

(SA) - Sartorius MA30

(SB) - Sartorius Mark 3

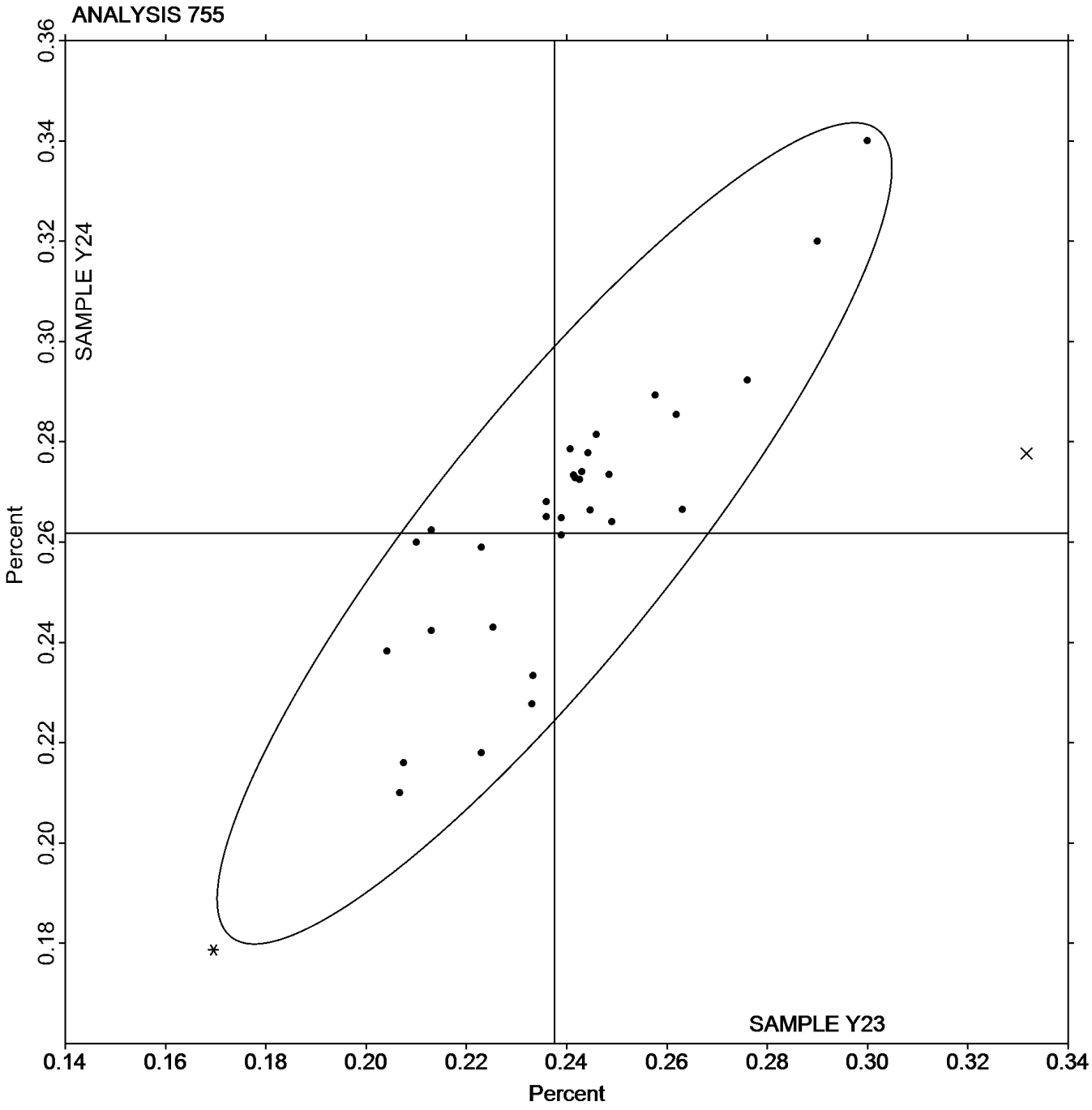
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 755

Moisture Content of Plastics

Grand Mean Sample Y23: 0.23756 Percent Grand Mean Sample Y24: 0.26174 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot