Collaborative Testing Services, Inc.

Providing Worldwide Interlaboratory testing since 1971.

Paper Industry Interlaboratory Program Performance Analysis Report

Cycle # 2981, S, January 2019

Prepared for tl·LJŜN [l·ō bdzY¯ōŜN hyŜ

Participant Code: UMMMMA

Need Help?

For guidance on interpreting this report, or assistance with interpreting the statistics and terms used in the report, please refer to the CTS Help Guides located in the Paper section of our website www.collaborativetesting.com. As always, you may contact the Program Analyst for assistance with any aspect of the program.

Collaborative Testing Services, Inc

Voice: 571-434-1925
Fax: 571-434-1937

21331 Gentry Drive
Sterling, VA 20166 USA

www.collaborativetesting.com
paper@cts-interlab.com

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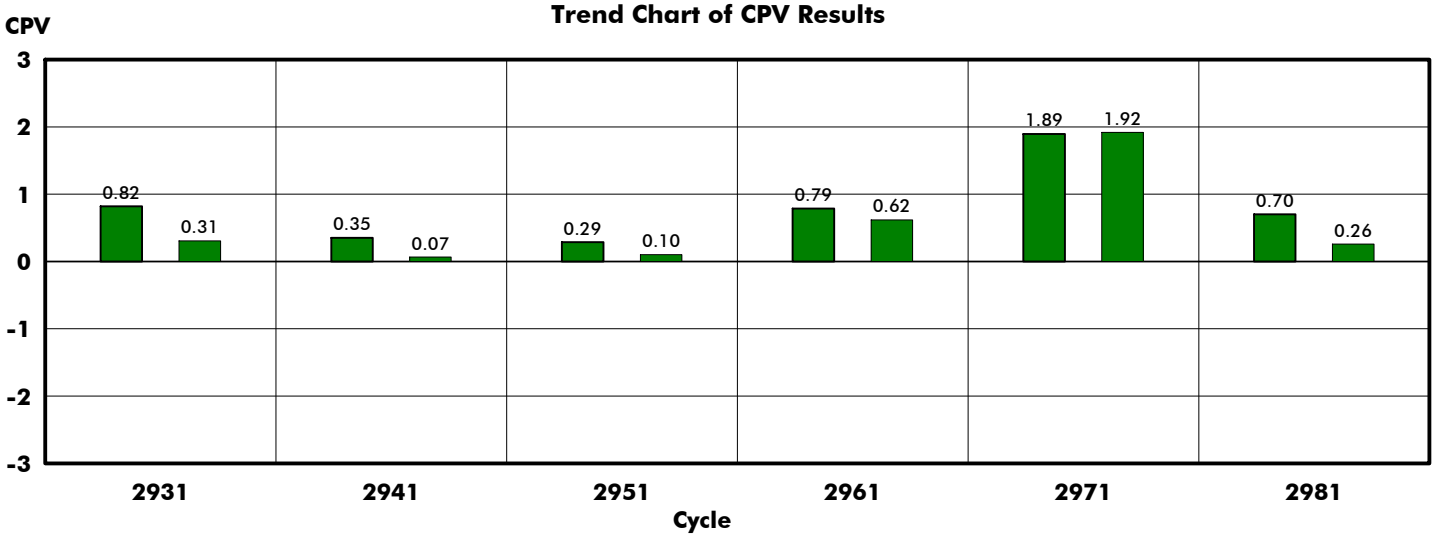
Performance Analysis Report - Trend Chart
Analysis #305: Bursting Strength - Printing Papers
using TAPPI Official Test Method T403
data in units of psi



A maximum of 6 test cycles are printed on this page . If there are fewer sets of bars than the maximum and the laboratory was enrolled for all cycles, then one of the following situations occured: lab did not submit data for a particular test/testing cycle or the data sheets were received late.

WebCode	Test Cycle	Sample Code	Lab Mean	- Grand Mean	÷ Btwn Lab Std Dev	= CPV	Data Flag (if assigned)	
C3FHYR	2931,S March 2018	SA53	23.40	21.713	2.059	0.82		19 of 19 labs included
		SA54	23.20	22.618	1.904	0.31		
R8JKT4	2941,S May 2018	SA55	27.30	26.483	2.330	0.35		22 of 22 labs included
		SA56	26.10	25.929	2.540	0.07		
KYAQ2P	2951,S July 2018	SA57	22.80	21.976	2.859	0.29		20 of 20 labs included
		SA58	22.40	22.136	2.566	0.10		
VM483Z	2961,S September 2018	SA59	27.50	25.996	1.912	0.79		19 of 19 labs included
		SA60	38.90	37.346	2.515	0.62		
ELPL4D	2971,S November 2018	SA61	46.80	42.880	2.069	1.89		17 of 18 labs included
		SA62	46.60	42.223	2.281	1.92		
4RHMP2	2981,S January 2019	SA63	28.10	26.017	2.971	0.70		23 of 23 labs included
		SA64	26.90	26.165	2.839	0.26		

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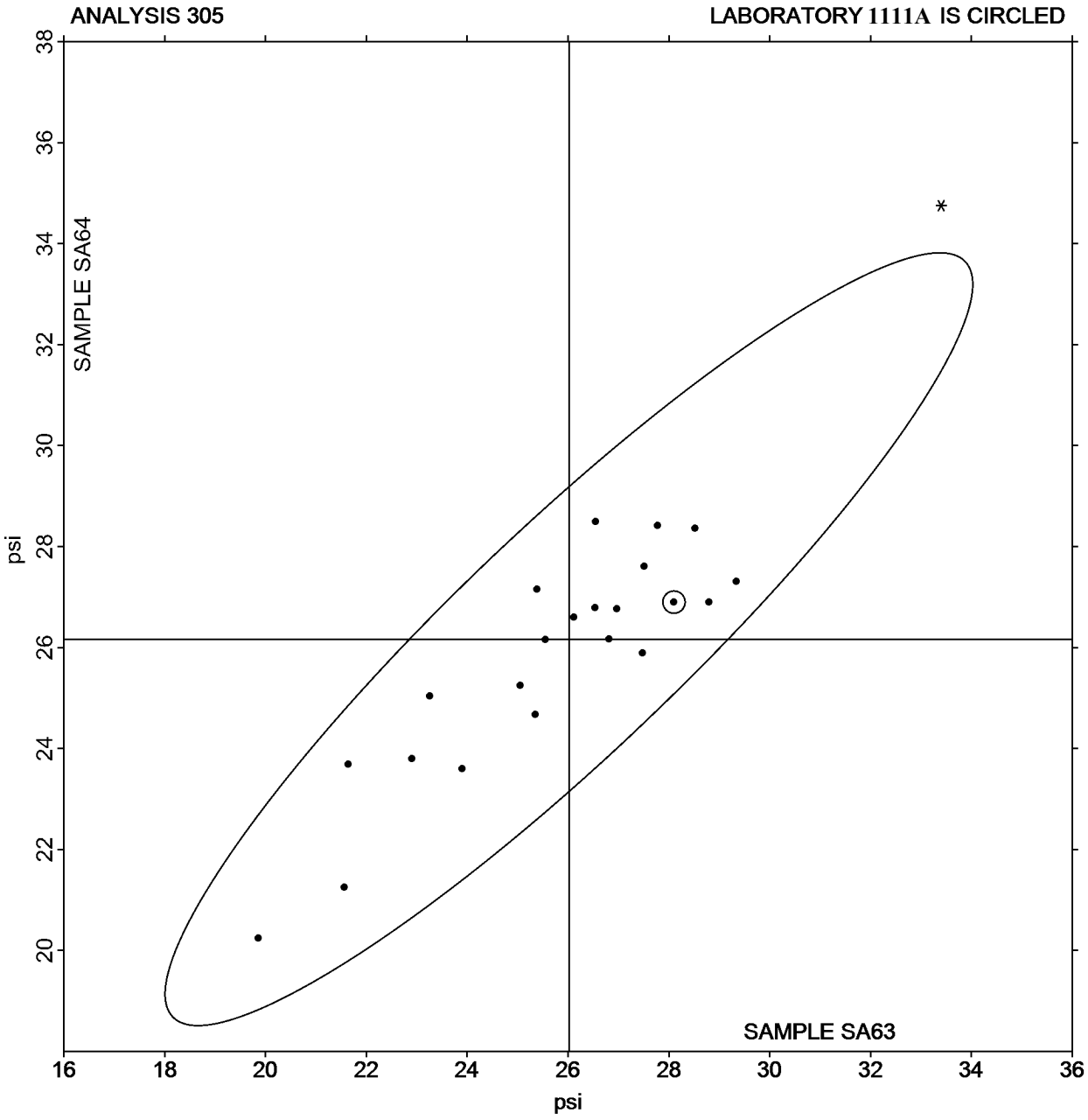

WebCode	Data Flag	Sample SA63 Lab Mean	Sample SA63 Diff from Grand Mean	Sample SA63 CPV	Sample SA64 Lab Mean	Sample SA64 Diff from Grand Mean	Sample SA64 CPV
4RHMP2		28.10	2.08	0.70	26.90	0.73	0.26

Consensus Results (all laboratories)

Grand Means	26.017 psi	26.165 psi
Btwn Lab Standard Deviation	2.971 psi	2.839 psi

Consensus statistics based on 23 of 23 reporting participants

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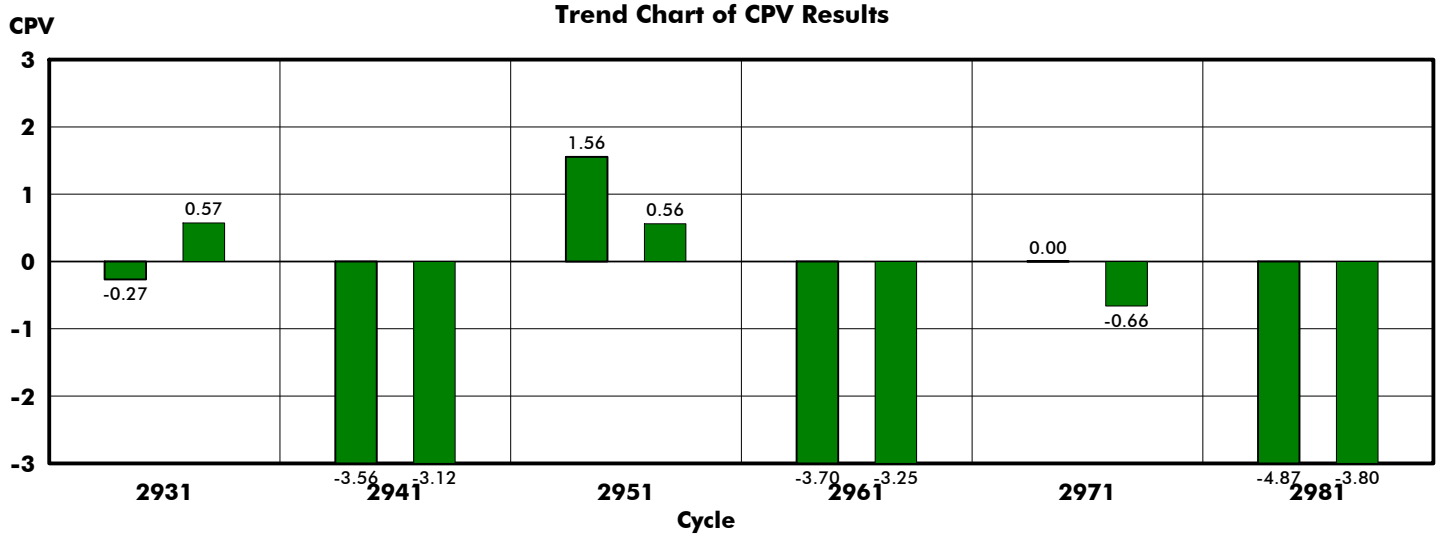
Performance Analysis Report - Trend Chart
Analysis #312: Tearing Strength - Printing Papers
using TAPPI Official Test Method T414
data in units of Grams



A maximum of 6 test cycles are printed on this page . If there are fewer sets of bars than the maximum and the laboratory was enrolled for all cycles, then one of the following situations occured: lab did not submit data for a particular test/testing cycle or the data sheets were received late.

WebCode	Test Cycle	Sample Code	Lab Mean	Grand Mean	Btwn Lab Std Dev	CPV	Data Flag (if assigned)	
WT7KYF	2931,S March 2018	SC53	73.34	74.622	4.832	-0.27		43 of 46 labs included
		SC54	77.16	74.527	4.603	0.57		
M2GWBQ	2941,S May 2018	SC55	49.95	62.159	3.425	-3.56	X	41 of 47 labs included
		SC56	51.50	62.586	3.551	-3.12		
Analyst Comment: Data for both samples are low. Possible Systematic Error. Inconsistent within the determinations of sample SC56.								
G9C9NX	2951,S July 2018	SC57	59.21	54.724	2.884	1.56		44 of 46 labs included
		SC58	56.06	54.074	3.537	0.56		
VWAMR4	2961,S September 2018	SC59	53.88	76.496	6.108	-3.70	X	45 of 48 labs included
		SC60	56.33	76.756	6.277	-3.25		
Analyst Comment: Data for both samples are low. Possible Systematic Error.								
ELQ35D	2971,S November 2018	SC61	64.31	64.306	3.359	0.00		44 of 48 labs included
		SC62	59.64	61.879	3.385	-0.66		
QK5ZYK	2981,S January 2019	SC63	50.32	63.943	2.799	-4.87	X	41 of 45 labs included
		SC64	51.89	64.022	3.196	-3.80		

Action Item! Your performance for this cycle was assigned an X Data Flag.

Analyst Comment: Data for both samples are low. Possible Systematic Error. Inconsistent within the determinations of sample SC64.

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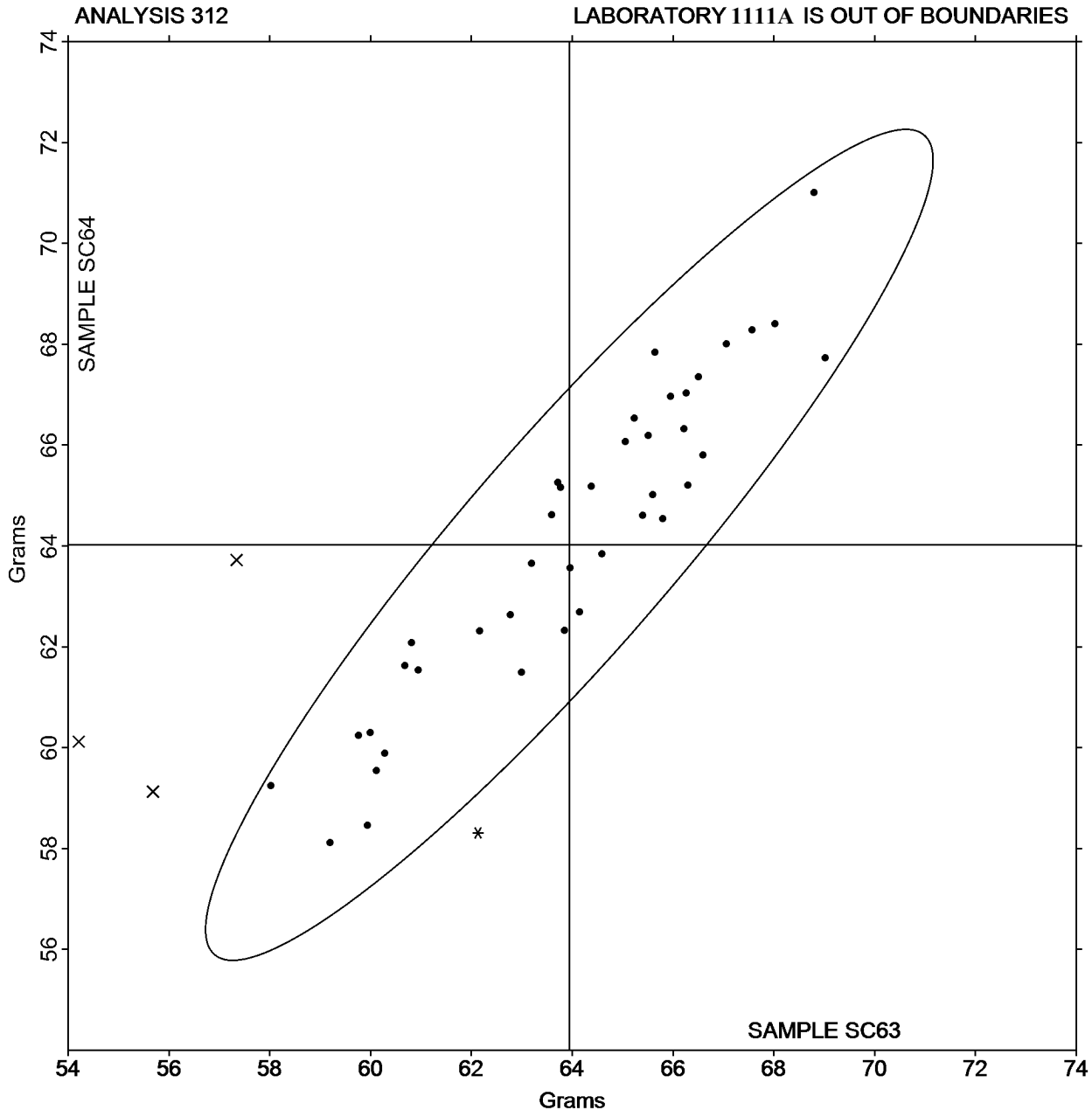

WebCode	Data Flag	Sample SC63 Lab Mean	Sample SC63 Diff from Grand Mean	Sample SC63 CPV	Sample SC64 Lab Mean	Sample SC64 Diff from Grand Mean	Sample SC64 CPV
QK5ZYK	X	50.32	-13.62	-4.87	51.89	-12.13	-3.80

Consensus Results (all laboratories)

	Sample SC63	Sample SC64
Grand Means	63.943 Grams	64.022 Grams
Btwn Lab Standard Deviation	2.799 Grams	3.196 Grams

Consensus statistics based on 41 of 45 reporting participants

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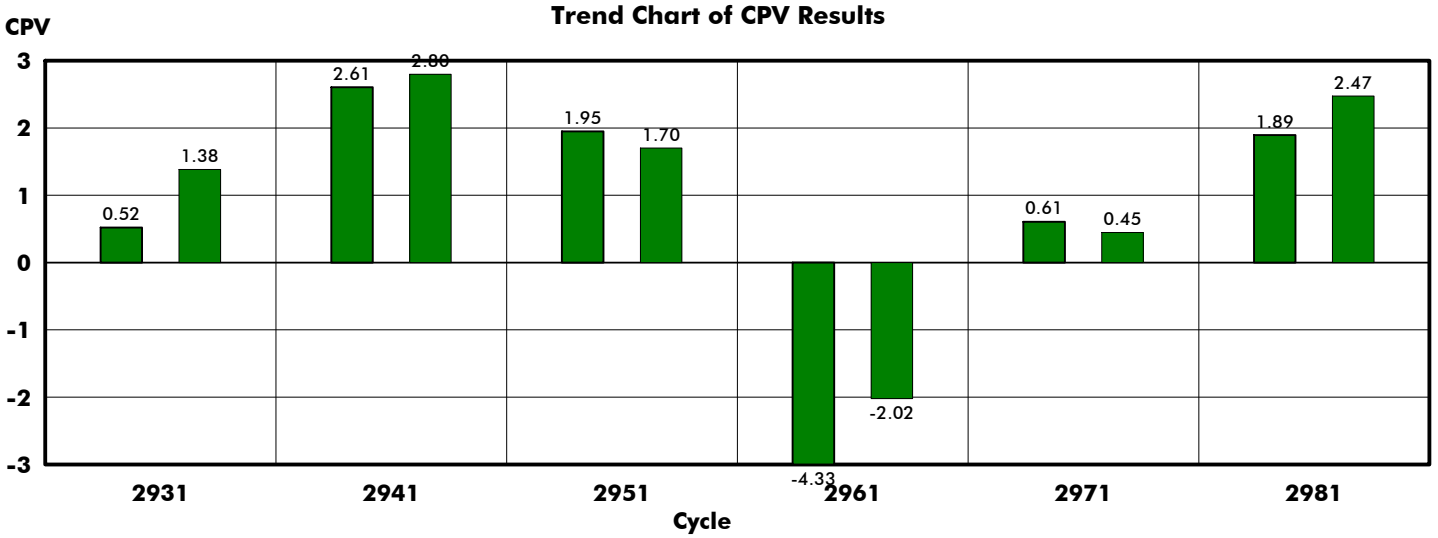
Performance Analysis Report - Trend Chart
Analysis #314: Tearing Strength - Packaging Papers
using TAPPI Official Test Method T414
data in units of Grams

Lab Code: U1111A



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WebCode	Test Cycle	Sample Code	Lab Mean	Grand Mean	Btwn Lab Std Dev	CPV	Data Flag (if assigned)	
M7BXD4	2931,S March 2018	SD53 SD54	246.2 335.2	230.45 282.15	30.35 38.35	**0.52** **1.38**		33 of 35 labs included
XBC5A8	2941,S May 2018	SD55 SD56	230.6 249.0	183.71 189.36	17.98 21.29	**2.61** **2.80**	*	37 of 40 labs included
2MV2P5	2951,S July 2018	SD57 SD58	170.5 212.5	140.35 179.87	15.45 19.15	**1.95** **1.70**		41 of 44 labs included
ZX4FU3	2961,S September 2018	SD59 SD60	125.1 119.0	183.93 142.29	13.57 11.54	**-4.33** **-2.02**	X	36 of 41 labs included
	Analyst Comment: Data for sample SD59 are low.							
48NMDT	2971,S November 2018	SD61 SD62	173.6 171.6	163.85 163.63	16.16 17.82	**0.61** **0.45**		37 of 41 labs included
HRK3B5	2981,S January 2019	SD63 SD64	166.9 209.7	138.39 165.42	15.03 17.88	**1.89** **2.47**	*	35 of 39 labs included

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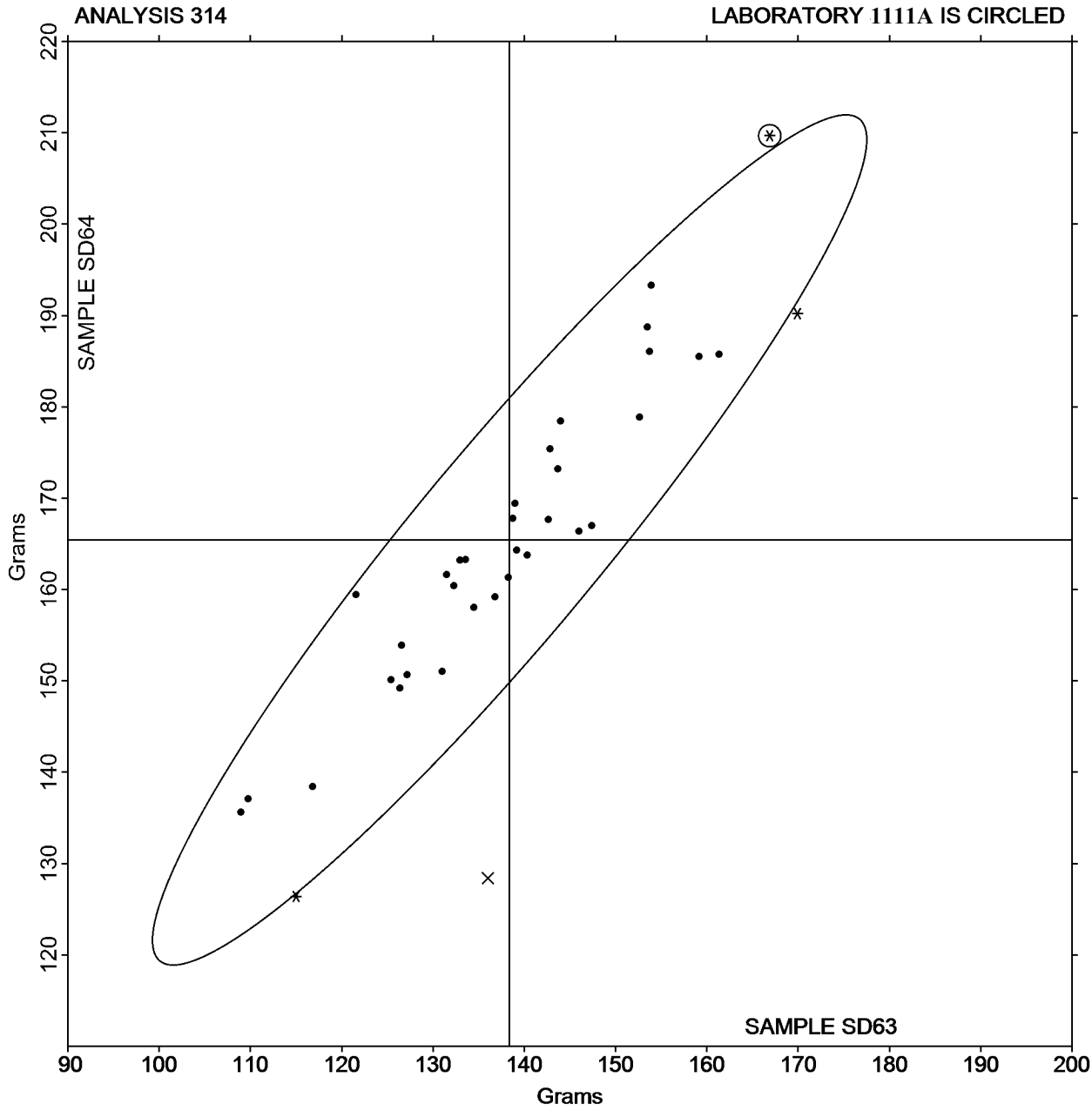

WebCode	Data Flag	Sample SD63 Lab Mean	Sample SD63 Diff from Grand Mean	Sample SD63 CPV	Sample SD64 Lab Mean	Sample SD64 Diff from Grand Mean	Sample SD64 CPV
HRK3B5	*	166.9	28.5	1.89	209.7	44.3	2.47

Consensus Results (all laboratories)

Grand Means	138.39 Grams	165.42 Grams
Btwn Lab Standard Deviation	15.03 Grams	17.88 Grams

Consensus statistics based on 35 of 39 reporting participants

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