Specificity 2023.03.22T10.25.44 Page 1 of 6



Specificity Interference report

Data Files:	Date:	Time:
Specificity.jmp	Wednesday, March 22, 2023	10:25:44

Specification	Value
Accuracy (%)	10
Tolerance (USL-LSL)	60

Analytical Method: a

User Information

User Information
User Name: paule
User Domain: PADC-SURFACE
Logon Server: \\PADC-SURFACE
User Domain: PADC-SURFACE
Addin version: 2303221011
JMP Version: 17.0.0

Analyst Signature/Date

Reviewer Signature/Date

Specificity 2023.03.22T10.25.44 Page 2 of 6

Data table

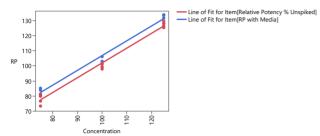
RP with	RP with	RP with	Relative Potency	Theoretical
interaction	Forced Deg	Media	% Unspiked	Concentration/Dilution
160.25	133	131.6	128.2	125
162	135.1	133.4	129.6	125
159.75	131.3	133.8	127.8	125
146.375	•		117.1	125
157.875	•		126.3	125
156.625			125.3	125
97.9	100	103	97.9	100
99.5	104.4	106.1	99.5	100
99.4	101.9	103.1	99.4	100
99			99	100
101.7			101.7	100
101.1			101.1	100
57.525	79	81	76.7	75
59.925	83.1	85.2	79.9	75
60.075	82.6	83.9	80.1	75
55.05			73.4	75
60.9	•		81.2	75
61.05			81.4	75

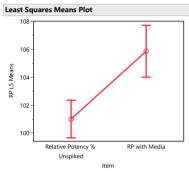
Specificity 2023.03.22T10.25.44 Page 3 of 6

Specificity RP with Media

Effect Tests										
			Sum of							
Source	Nparm	DF	Squares	F Ratio	Prob > F					
Item	1	1	137.7629	18.3803	0.0003*					
Concentration	1	1	9305.3042	1241.510	<.0001*					
Item*Concentration	1	1	1.2278	0.1638	0.6896					

Interaction not significant





	iteiii													
LSMeans Differences Student's t														
α= 0.050 t= 2.06866														
Level	- Level	Difference	Std Err Dif	Lower CL	Upper CL	p-Value	0	1	2	3	4	5	6	7
RP with Media	Relative Potency % Unspiked	4.852431	1.108537	2.559247	7.145614	0.0002*				-	-	•	-	-

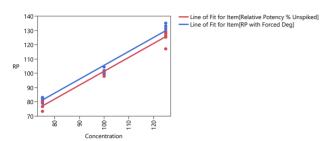
Result						
		Difference			Specificity % of	
Level	- Level	(%RP)	Lower CL	Upper CL	Tolerance (USL-LSL)	Result
RP with Media	Relative Potency % Unspiked	4.852431	2.559247	7.145614	8.1	Pass

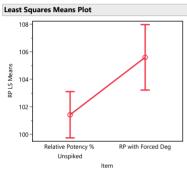
Specificity 2023.03.22T10.25.44 Page 4 of 6

Specificity RP with Forced Deg



Interaction not significant





LSMeans Differences Student's t														
α= 0.050 t= 2.063	9													
Level	- Level	Difference	Std Err Dif	Lower CL	Upper CL	p-Value	0	1	2	3	4	5	6	7
RP with Forced Deg	Relative Potency % Unspiked	4.177778	1.412700	1.262108	7.093447	0.0069*		-	-	-	•	-	+	-

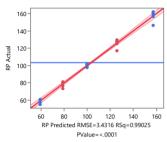
Result						
		Difference			Specificity % of	
Level -	- Level	(%RP)	Lower CL	Upper CL	Tolerance (USL-LSL)	Result
RP with Forced Deg 1	Relative Potency % Unspiked	4.177778	1.262108	7.093447	7.0	Pass

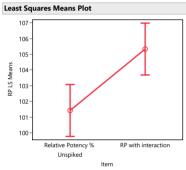
Specificity 2023.03.22T10.25.44 Page 5 of 6

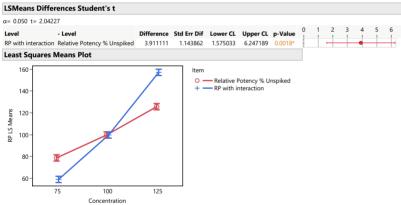
Specificity RP with interaction

Effect Tests					
			Sum of		
Source	Nparm	DF	Squares	F Ratio	Prob > F
Item	1	1	137.671	6.7072	0.0143*
Concentration	1	1	31533.875	1536.291	<.0001*
Item*Concentration	1	1	3920.648	191.0091	<.0001*

Significant interaction







Result											
		Difference			Specificity % of						
Level	- Level	(%RP)	Lower CL	Upper CL	Tolerance (USL-LSL)	Result					
RP with interaction,125	Relative Potency % Unspiked,125	31.42917	25.4031	37.4553	52.4	Fail					
Relative Potency % Unspiked,75	RP with interaction,75	19.69583	13.6697	25.7219	32.8	Fail					
RP with interaction 100	Relative Potency % Unspiked 100	0.00000	-6.0261	6.0261	0.0	Pacc					

Specificity 2023.03.22T10.25.44 Page 6 of 6

Data table with outlier test result

		F 4		1.1.1.1.1	F 1		11. 1	E to sell for death of		1111
Communication Items	nn.	Externally Studentized	0.41:	Include/	Externally Studentized	0.452	Include/	Externally Studentized	041: 3	Include/
Concentration Item 125 Relative Potency % Unspiked	RP 128.2	Residuals RP 1.122		Included	Residuals RP 2 1.052		Included	Residuals RP 3 0.783		Included
125 RP with Media	131.6	0.010		Included	1.032	OK	Included	0.763	OK	Included
125 RP with Forced Deg	133	0.010	OK	Included	0.551	OF	Included			Included
125 RP with interaction	160.25			Included	0.551	OK	Included	1.423	Ok	Included
125 Relative Potency % Unspiked	129.6	1.645	Ok	Included	1.537	Ok	Included	1.125		Included
125 RP with Media	133.4	0.664		Included	1.551	O.K	Included	1.123	O.K	Included
125 RP with Forced Deg	135.1	0.001	O.K	Included	1.306	Ok	Included	•		Included
125 RP with interaction	162			Included			Included	1.888	Ok	Included
125 Relative Potency % Unspiked	127.8	0.980	Ok	Included	0.920	Ok	Included	0.687		Included
125 RP with Media	133.8	0.813		Included			Included			Included
125 RP with Forced Deg	131.3			Included	-0.028	Ok	Included			Included
125 RP with interaction	159.75			Included			Included	1.295	Ok	Included
125 Relative Potency % Unspiked	117.1	-3.066	Outlier	Excluded	-2.816	Ok	Included	-1.930	Ok	Included
125 RP with interaction	146.375			Included			Included	-1.985	Ok	Included
125 Relative Potency % Unspiked	126.3	0.467	Ok	Included	0.439	Ok	Included	0.331	Ok	Included
125 RP with interaction	157.875			Included			Included	0.831	Ok	Included
125 Relative Potency % Unspiked	125.3	0.136	Ok	Included	0.127	Ok	Included	0.096	Ok	Included
125 RP with interaction	156.625			Included			Included	0.532	Ok	Included
100 Relative Potency % Unspiked	97.9	-1.140	Ok	Included	-1.069	Ok	Included	-0.795	Ok	Included
100 RP with Media	103	-1.273	Ok	Included			Included			Included
100 RP with Forced Deg	100			Included	-1.834	Ok	Included			Included
100 RP with interaction	97.9			Included			Included	-1.741	Ok	Included
100 Relative Potency % Unspiked	99.5	-0.610		Included	-0.573	Ok	Included	-0.431	Ok	Included
100 RP with Media	106.1	-0.224	Ok	Included			Included			Included
100 RP with Forced Deg	104.4			Included	-0.367	Ok	Included			Included
100 RP with interaction	99.5			Included			Included	-1.341		Included
100 Relative Potency % Unspiked	99.4	-0.642		Included	-0.603	Ok	Included	-0.454	Ok	Included
100 RP with Media	103.1	-1.237	Ok	Included			Included			Included
100 RP with Forced Deg	101.9			Included	-1.163	Ok	Included			Included
100 RP with interaction	99.4	:		Included			Included	-1.366		Included
100 Relative Potency % Unspiked	99	-0.772	Ok	Included	-0.725	Ok	Included	-0.544		Included
100 RP with interaction	99			Included		01	Included	-1.464		Included
100 Relative Potency % Unspiked	101.7	0.087	Ok	Included	0.082	Ok	Included	0.062		Included
100 RP with interaction	101.7		OI.	Included		01	Included	-0.821		Included
100 Relative Potency % Unspiked	101.1	-0.101	UK	Included	-0.095	UK	Included	-0.072 -0.960		Included
100 RP with interaction	101.1 76.7	-0.415	OI.	Included	-0.391	OI.	Included	-0.294		Included
75 Relative Potency % Unspiked 75 RP with Media	76.7 81	-0.413		Included Included	-0.591	UK	Included	-0.294	UK	Included Included
75 RP with Forced Deg	79	-0.303	OK	Included	-0.277	Ok	Included			Included
75 RP with interaction	57.525			Included	-0.277	OK	Included	0.286	Ok	Included
75 Relative Potency % Unspiked	79.9	0.647	Ok	Included	0.608	Ok	Included	0.457		Included
75 RP with Media	85.2	1.185		Included	0.000	OK	Included	0.437	OK	Included
75 RP with Forced Deg	83.1	1.103	OK	Included	1.144	Ok	Included	•		Included
75 RP with interaction	59.925			Included	1.174	OK	Included	0.858	Ok	Included
75 Relative Potency % Unspiked	80.1	0.715	Ok	Included	0.671	Ok	Included	0.504		Included
75 RP with Media	83.9	0.689		Included	0.071	O.K	Included	0.50 1	O.K	Included
75 RP with Forced Deg	82.6			Included	0.962	Ok	Included			Included
75 RP with interaction	60.075			Included			Included	0.894	Ok	Included
75 Relative Potency % Unspiked	73.4	-1.584	Ok	Included	-1.481	Ok	Included	-1.087	Ok	Included
75 RP with interaction	55.05			Included			Included	-0.294		Included
75 Relative Potency % Unspiked	81.2	1.098	Ok	Included	1.030	Ok	Included	0.767		Included
75 RP with interaction	60.9			Included			Included	1.097	Ok	Included
75 Relative Potency % Unspiked	81.4	1.170	Ok	Included	1.096	Ok	Included	0.815	Ok	Included
75 RP with interaction	61.05			Included			Included	1.134	Ok	Included

K Sigma: 3

Report generated on 2023-03-22 10:25:44, Addin Version: 2303221011