Stability Indicating Report c

Data Files:	Date:	Time:
Stability.jmp	Thursday, December 18, 2025	16:45:41

Data Integrity

Study descriptives	Note
Analyst	ab
Analytical method	c
Instrument	b
Purpose	v
Standard Expiry	g
Standard ID	j
Study date(s)	k
Unit	g

User Information
User Name: paule
User Domain: PADC-SURFACE
Logon Server: \\PADC-SURFACE
User Domain: PADC-SURFACE
Addin version: 2512181633
JMP Version: 19.0.1

- -
Analyst Signature/Date

- -
Reviewer Signature/Date

Stability - Data table
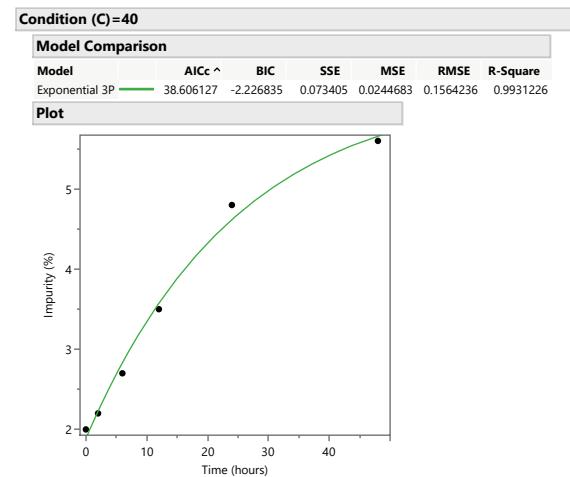
Time (hours)	Condition (C)	Impurity (%)	Purity	Studentized Residuals Impurity (%) By Condition (C)	Outlier	Include/ Exclude
0	40	2	98	1.1254612919	Ok	Included
2	40	2.2	97	-0.209123772	Ok	Included
6	40	2.7	99	-0.974468359	Ok	Included
12	40	3.5	98.5	-0.628193063	Ok	Included
24	40	4.8	97.5	1.5860361978	Ok	Included
48	40	5.6	98	-1.695215206	Ok	Included

K Sigma: 3

Stability - Model comparisson (all data)

Model	R-squared	P-value
Exponential 3P	0.9931	<.0001*
Sqrt(X)	0.9578	0.0007*
Linear	0.9236	<.0001*

Stability - Best fitting model

Condition (C)=40

Model Comparison

Model	AICc ^	BIC	SSE	MSE	RMSE	R-Square
Exponential 3P	38.606127	-2.226835	0.073405	0.0244683	0.1564236	0.9931226

Plot

Exponential 3P

Parameter Estimates

Parameter	Estimate	Std Error	Wald ChiSquare	Prob > ChiSquare	Lower 95%	Upper 95%
Asymptote	6.307092	0.4165935	229.20988	<.0001*	5.4905837	7.1236003
Scale	-4.421251	0.3862274	131.04008	<.0001*	-5.178243	-3.664259
Growth Rate	-0.040111	0.0081561	24.185526	<.0001*	-0.056096	-0.024125

Rate is significant, stability indicating

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