

Stability Indicating Report

Data Files: **Date:** **Time:**
Stability.jmp Wednesday, June 7, 2023 11:00:25

User Information

User Name: paule
User Domain: PADC-SURFACE
Logon Server: \\PADC-SURFACE
User Domain: PADC-SURFACE
Addin version: 2306071058
JMP Version: 16.2.0

Analyst Signature/Date

Reviewer Signature/Date

Data table

Time (hours)	Condition (C)	Impurity (%)	Purity	Studentized Residuals		Include/Exclude
				Purity By Condition (C)	Outlier	
0	40	2	98	1.6635154588	Ok	Included
2	40	2.2	97	-1.639255597	Ok	Included
6	40	2.7	99	1.4196417754	Ok	Included
12	40	3.5	98.5	0.5021276907	Ok	Included
24	40	4.8	97.5	-0.89226911	Ok	Included
48	40	5.6	98	-0.183255921	Ok	Included

K Sigma: 3

Model comparisson (all data)

Model	R-squared	P-value
Exponential 3P	0.0668	0.8613
Sqrt(X)	0.0013	0.9457
Linear	0.0010	0.9504

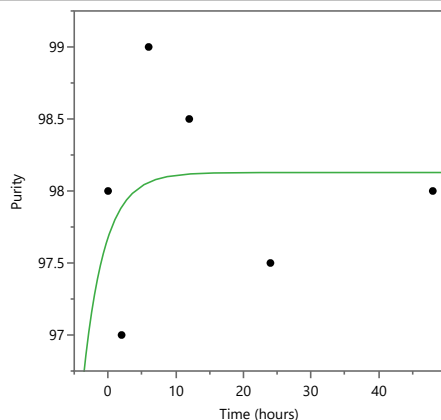
Best fitting model

Fit Curve Condition (C)=40

Model Comparison

Model	AICc ^	BIC	SSE	MSE	RMSE	R-Square
Exponential 3P	59.359611	18.526648	2.3329903	0.7776634	0.8818523	0.0668039

Plot



Exponential 3P

Parameter Estimates

Parameter	Estimate	Std Error	Wald ChiSquare	Prob > ChiSquare	Lower 95%	Upper 95%
Asymptote	98.128202	0.5368981	33404.422	<.0001*	97.075901	99.180503
Scale	-0.450947	0.9754256	0.2137291	0.6439	-2.362747	1.4608515
Growth Rate	-0.315549	1.8065891	0.0305082	0.8613	-3.856399	3.2253001

Rate is not significant, not stability indicating

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