

## Stability Indicating Report

**Data Files:**   **Date:**   **Time:**  
Stability.jmp   Wednesday, March 22, 2023   10:27:40

### 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

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Analyst Signature/Date

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Reviewer Signature/Date

## Data table

Time (hours)	Condition (C)	Impurity (%)	Purity	Studentized Residuals		Include/Exclude
				Impurity (%) By Condition (C)	Outlier	
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

## Model comparisson (all data)

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

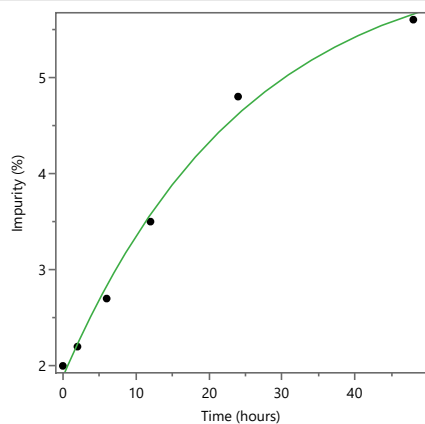
## Best fitting model

### Fit Curve 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	Prob >	Lower 95%	Upper 95%
			ChiSquare	ChiSquare		
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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