

concentration (mmol/L)	absorbance
2.9	0.1225
5.8	0.2125
8.7	0.465
11.6	0.551
14.5	0.842
17.4	1.0184
20.3	1.113

b= 0.0548      R Square=  
 a= 0  
 r= 0.9965  
 unknown c= 9.2

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.989911343
R Square	0.979924467
Adjusted R Square	0.974905584
Standard Error	0.055203548
Observations	6

ANOVA

	df	SS	MS	F	ignificance F
Regression	1	0.5950035	0.59500348	195.247516	0.000152
Residual	4	0.0121897	0.00304743		
Total	5	0.6071932			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%
Intercept	-0.12944476	0.0635155	-2.03800261	0.11119584	-0.30579	0.046903
2.9	0.063583251	0.0045504	13.9730997	0.00015216	0.050949	0.076217

$t = |a|/s = 2.0380026$        $t \text{ (crit)} = 2.364624$

Comparison= 2,0380026 < 2,36424

The calcuated value 2,0380026 is lower than the critical value 2,36424, therefor

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.996494119
R Square	0.99300053
Adjusted R Square	0.79300053
Standard Error	0.070494108
Observations	6

ANOVA

	df	SS	MS	F	ignificance F
Regression	1	3.5250067	3.52500671	709.339761	1.18E-05
Residual	5	0.0248471	0.00496942		

Total 6 3.5498538

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	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A
	2.9 0.054912925	0.0020618	26.6334331	1.3952E-06	0.049613	0.060213

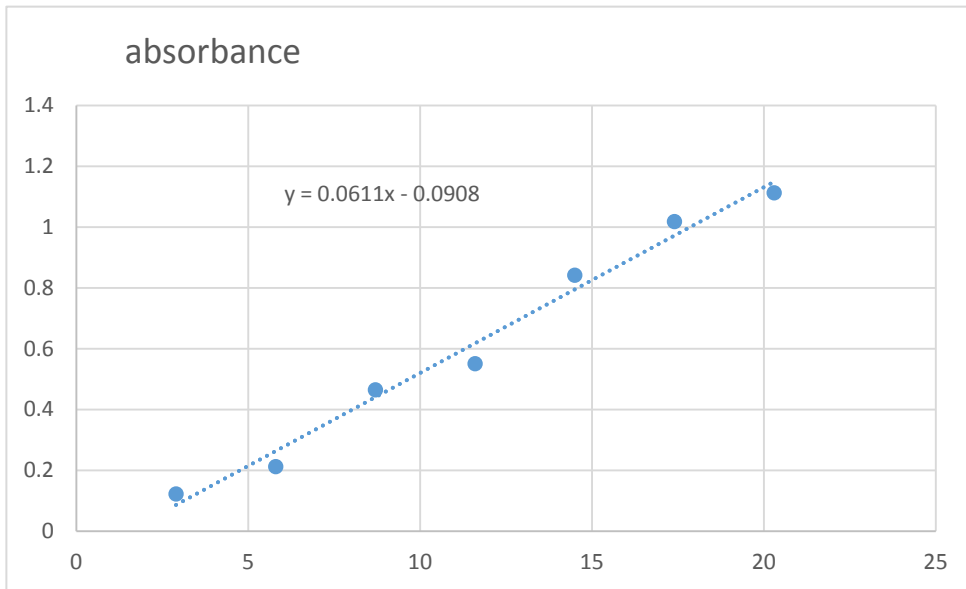
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RESIDUAL OUTPUT

<i>Observation</i>	<i>redicted 0,122</i>	<i>Residuals</i>
1	0.318494964	-0.105995
2	0.477742446	-0.0127424
3	0.636989928	-0.0859899
4	0.79623741	0.0457626
5	0.955484892	0.0629151
6	1.114732374	-0.0017324

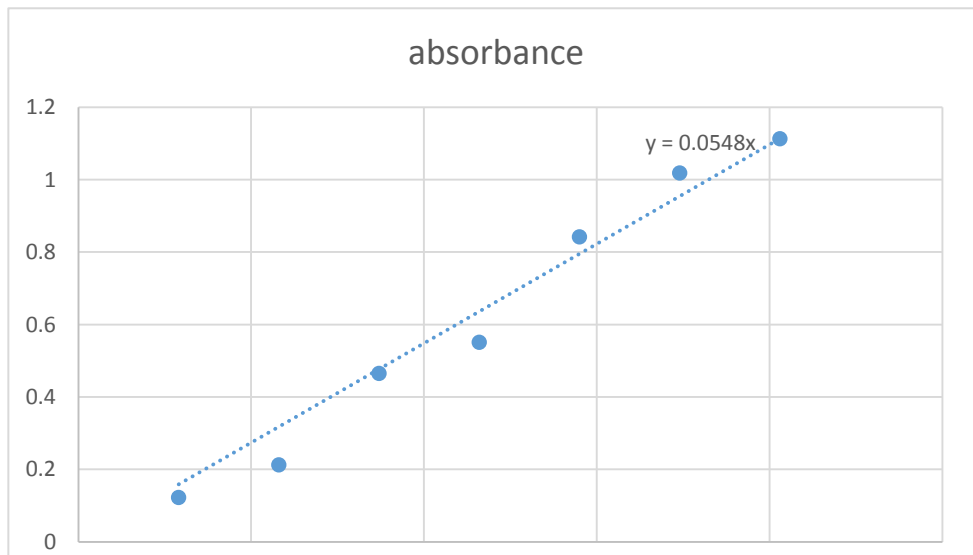
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0.993001



lower 95,0% upper 95,0%  
-0.30579 0.046903  
0.050949 0.076217

e, the null hypothesis can be confirmed.



0

5

10

15

20

25

Lower 95,0% Upper 95,0%

#N/A

#N/A

0.049613

0.060213