

**Enhancing pharmaceutical potential and oral bioavailability of *Allium cepa* nanosuspension in male albino rats using response surface methodology**

**Running Title**

**Pharmaceutical potential of *Allium cepa* nanosuspension**

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**Supplementary Table 2.** ANOVA for particle size reduction of *Allium cepa* nanosuspensions.

Source of variance	Sum of squares	df	Mean squares	F-value	P-value Prob>F
Model	3.14E+05	9	34872.88	118.38	< 0.000
A-Plant	10190.72	1	10190.72	34.59	0.000
B-Stabilizer	32278.18	1	32278.18	109.57	< 0.000
C-ratio	17116.83	1	17116.83	58.10	< 0.000
AB	28609.52	1	28609.52	97.11	< 0.000
AC	26.61	1	26.61	0.09	0.769
BC	2541.49	1	2541.49	8.63	0.014
A <sup>2</sup>	92432.53	1	92432.53	313.76	< 0.000
B <sup>2</sup>	1.40E+05	1	1.40E+05	476.30	< 0.000
C <sup>2</sup>	1765.99	1	1765.99	5.99	0.034
Residual	2945.94	10	294.59		
Lack of fit	1876.89	5	375.38	1.76	0.275
Pure error	1069.05	5	213.81		
Cor Total	3.17E+05	19			

Coefficient of determination ( $R^2$ ) = 0.990; Adjusted  $R^2$  = 0.982; Predicted  $R^2$  = 0.947; Coefficient of variation (CV) = 5.16%; Adequate precision = 37.218.