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Table S1 - Data for Folin-Ciocalteu and phosphomolybdenum assay.

	µg/mL	R1	R2	R3	Mean	SD
GAE Standard	50	0.002	0.003	0.004	0.003	0.00
	100	0.009	0.009	0.012	0.010	0.00
	150	0.035	0.049	0.040	0.041	0.01
	250	0.126	0.122	0.127	0.125	0.00
	500	0.339	0.337	0.328	0.335	0.01
	750	0.579	0.553	0.549	0.560	0.02
AAE Standard	50	0.065	0.065	0.067	0.066	0.00
	100	0.171	0.182	0.185	0.179	0.01
	150	0.309	0.278	0.282	0.290	0.02
	250	0.450	0.415	0.456	0.440	0.02
	500	1.218	1.216	1.104	1.179	0.07
	750	1.822	1.817	1.847	1.829	0.02

Table S2a - ANOVA for GAE Standard Readings

Anova: Single Factor						
SUMMARY						
Groups	***Count***	***Sum***	***Average***		***Variance***	
Column 1	6	1.09	0.181666667		0.053866267	
Column 2	6	1.073	0.178833333		0.048972967	
Column 3	6	1.06	0.176666667		0.047921467	
ANOVA						
ANOVA ***Source of Variation***	***SS***	***df***	***MS***	***F***	***P-value***	***F crit***
Between Groups	7.54444E-05	2	3.77222E-05	0.000750638	0.999249681	3.682320344
Within Groups	0.7538035	15	0.050253567			
Total	0.753878944	17				

As F values 0.00075 and 0.0502 are less than F critical 3.682 at P 0.999 (99% of the times we will have same result) and lies within the acceptable region of the distribution So, Null hypothesis could not be proved wrong and all readings are fairly equal for various concentrations thus our equation is valid for future estimations.
Statistical Validity: Null Hypothesis - H_o: $R_1=R_2=R_3$, Alternate Hypothesis - H_1: Any one of the readings set is not equal

Table S2b - Anova: Single Factor Antioxidant potential

SUMMARY						
Groups	***Count***	***Sum***	***Average***		***Variance***	
Column 1	6	4.035	0.6725		0.4842235	
Column 2	6	3.973	0.662166667		0.487242967	
Column 3	6	3.941	0.656833333		0.473563767	
ANOVA ***Source of Variation***	***SS***	***df***	***MS***	***F***	***P-value***	***F crit***
Between Groups	0.000761333	2	0.000380667	0.000790295	0.999210059	3.682320344
Within Groups	7.225151167	15	0.481676744			
Total	7.2259125	17				

As F value 0.00079 is less than F critical 3.682 at P 0.999 (99% of the times we will have same result) and lies within the acceptable region of the distribution So Null hypothesis could not be proved wrong and all readings are fairly equal for various concentrations and our equation is valid for future estimations.
Statistical Validity: Null Hypothesis - H_o: $R_1=R_2=R_3$, Alternate Hypothesis - H_1: Any one of the readings set is not equal