

SMILE LINEARITY WORKSHEET

Method Being Evaluated: **Hexokinase G6PDH/ Siemens Advia** Date: **4-Aug-23**
 Analyte: **Glucose** Total Allowable Error (TEa):
 Units: **mmol/L** Conc.: **6** Percent: **10%**

Enter values in ascending order
 (lowest value data in top cells, highest value data in bottom cells)

Manufacturer's stated analytical measurement range:
 Low: **10** High: **1000**

Measured				Assigned	Target	± Diff	% Diff	± Limit	% Limit	Grade
Rep 1	Rep 2	Rep 3	Avg							
51	51		51.00	59.6	50.51	0.49	1.0%	6.00	5%	Acceptable
160	160		160.00	181.2	157.69	2.31	1.5%	7.88	5%	Acceptable
270	270		270.00	316.6	277.03	-7.03	-2.5%	13.85	5%	Acceptable
405	405		405.00	454.9	398.92	6.08	1.5%	19.95	5%	Acceptable
510	510		510.00	583.8	512.53	-2.53	-0.5%	25.63	5%	Acceptable
630	630		630.00	716.3	629.31	0.69	0.1%	31.47	5%	Acceptable

	Coefficients	Std Err
Intercept	-2.016	4.012
Slope	0.881	0.009
Correl. (r)	0.9998	

Your Linearity Evaluation: **LINEAR** 51 to 630 **FULL RANGE TESTED**
 Verified AMR: 51 to 630 mmol/L

