

LINEARITY SECTION

1 **TDM 1 SALY - Method: ENDPT HYDROXYLASE**
 suggested total allowable error is 1.1 mg/dL or 30%, whichever is greater 4

Data Set 5

L	X	Rep 1	Rep 2	Rep 3
B	N/A	0	0	0
1	1.0	6.7	6.6	6.1
2	2.0	27.9	27.3	27.9
3	3.0	50.4	50.5	50.7
4	4.0	74.1	73.4	74.2
5	5.0	95.8	96.6	95.6

☐ Accept ☐ Comments

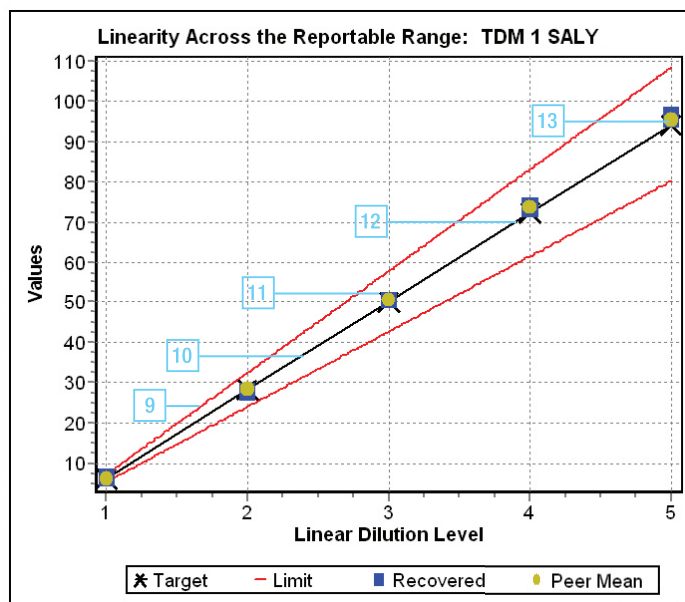
Tested 6.467 to 96.00 mg/dL

Validated 6.467 to 96.00 mg/dL

Mean versus Target Regression
 $y = 1.022x - 0.472$

Linearity Results

X	Target	Mean	± Diff	% Diff	± Limit	% Limit
1.0	6.200	6.467	0.267	4.3%	0.930	15%
2.0	28.233	27.700	0.533	1.9%	4.235	15%
3.0	50.267	50.533	0.266	0.5%	7.540	15%
4.0	72.300	73.900	1.600	2.2%	10.845	15%
5.0	94.333	96.000	1.667	1.8%	14.150	15%



- 1 VALIDATE® Product Name
- 2 Analyte
- 3 Analyte method, selected by your laboratory
- 4 Suggested Total Allowable Error for analyte

DATA SET TABLE

- 5 Displays your results as submitted to Maine Standards Company
- 'L' represents the bottle level tested
- 'X' represents the effective X of each level
- 'Tested' is the range of the mean value of the lowest result reported to the mean of the highest result reported
- 'Validated' will display the mean of the lowest and highest levels tested. If 1 or more of the levels falls outside of the applied limits, 'Validated' will be left blank
- The slope and intercept are calculated using the target values as the 'x' values and the recovered values as the 'y' values

LINEARITY RESULTS TABLE

- 'X' represents the effective X of each level
- Target values for each linear dilution level are calculated based on the actual recovered values submitted
- 'Mean' is the average of your replicates
- The '± Diff' is the absolute difference between the target and your mean
- The '% Diff' is the % difference between the target and your mean
- '± Limit' and '% Limit' are the allowable absolute and percent limits, respectively, around your target values. MSC uses 50% of the Total Allowable Error to determine limits.

LINEARITY GRAPH

- 9 The red lines represent the applied limits
- 10 The black line represents the linear line
- 11 The blue squares represent your recovered values
- 12 The black X represents the target values (may not be visible under the blue square)
- 13 The yellow dot represents the peer mean

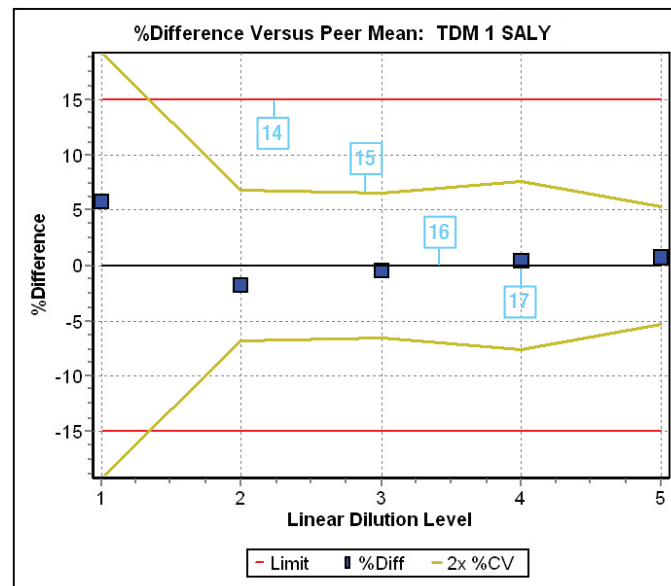
PEER COMPARISON SECTION

Peer Statistics

X	Peer Mean	Num Labs	Data Sets	SD	%CV
1.0	6.155	142	178	0.554	9.0%
2.0	28.247	148	185	0.989	3.5%
3.0	50.755	148	185	1.680	3.3%
4.0	73.578	148	184	2.809	3.8%
5.0	95.124	135	167	2.421	2.5%

Peer Comparison

X	Peer Mean	Your Mean	± Diff	% Diff	± Limit	% Limit
1.0	6.155	6.467	0.312	5.1%	0.923	15%
2.0	28.247	27.700	0.547	1.9%	4.237	15%
3.0	50.755	50.533	0.222	0.4%	7.613	15%
4.0	73.578	73.900	0.322	0.4%	11.037	15%
5.0	95.124	96.000	0.876	0.9%	14.269	15%



NOTE:

When there is no method ID selected, the peer comparison section of your report will be completely blank.

If there are less than ten labs in the peer group, the peer comparison section of your report will only show the min, median and max of those laboratories. Complete statistics will only be provided if there are ten or more labs in the peer group.

PEER STATISTICS TABLE

- 'X' represents the effective X of each level
- 'Peer Mean' is the average of all other labs in the peer group
- 'Number of Labs' is the total number of labs in the peer group
- 'Data Sets' is the total number of data sets in the peer group
- 'SD' is the Standard Deviation of the peer mean
- '%CV' is the Coefficient of Variation of the peer mean

PEER COMPARISON TABLE

- 'X' represents the effective X of each level
- 'Peer Mean' is the average of all other labs in the peer group
- 'Your mean' is the average of your replicates
- The '± Diff' is the absolute difference between the peer mean and your mean
- The '% Diff' is the % difference between the peer mean and your mean
- '± Limit' and '% Limit' are the allowable absolute and percent limits, respectively, around the peer mean

% DIFFERENCE GRAPH

- 14 The red lines represent the applied limits
- 15 The yellow lines represent two times the percent Coefficient of Variation for each level
- 16 The black line represents the peer mean
- 17 The blue squares represent the mean of your replicates