

**1 ALB - Albumin**

**2** Method: Albumin  
Method Type: BCG Units: g/dL

**3** Account #: 125212  
Company: LGC Maine Standards  
Facility: Testing Site 1

**4** Analyzer: ALINITY 2  
Serial #:   
Model: Abbott - ARCHITECT / ALINITY - ALINITY

**5** Test Date: 04/07/2023  
Technician:

**6** Part #: 1100sd  
Description: GC1

**7** Lot #: 10661914  
Expiration: 12/27/2023

**8** Submission ID: 23-006675

**9** TEa: 0.20 g/dL or 10.00 %, whichever is greater  
Source: MSC  
Applied Limit: 50%  
Comments:

## Test Information

- 1** Analyte and analyte abbreviation
- 2** Analyte method, method type and units selected
- 3** Account number, company name and facility name for the submission
- 4** Analyzer name, serial number and model
- 5** Date the test was performed and which Technician performed it
- 6** VALIDATE part number and product name
- 7** VALIDATE product lot number and expiration date
- 8** Submission ID associated with this report
- 9** Total Allowable Error, source and applied limit

**10 Data Set**

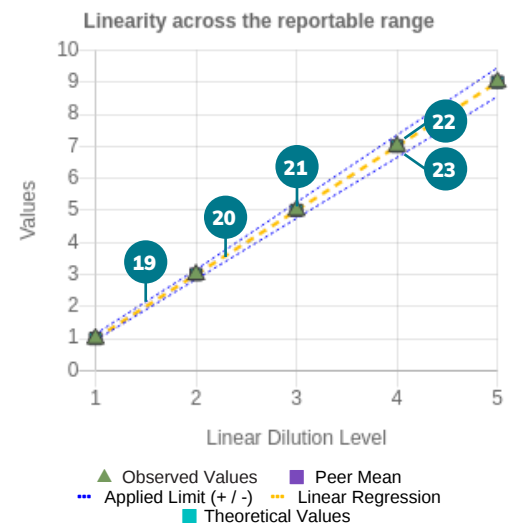
	Level 1	Level 2	Level 3	Level 4	Level 5
Replicate 1	1	3	5	7	9

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**12 Linearity Data Analysis**

	Level 1	Level 2	Level 3	Level 4	Level 5
Effective X	1.00	2.00	3.00	4.00	5.00
Theoretical Value *	1.00	3.00	5.00	7.00	9.00
Observed Mean	1.00	3.00	5.00	7.00	9.00
+/- Difference	0.00	0.00	0.00	0.00	0.00
% Difference	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %
+/- Limit	0.10	0.15	0.25	0.35	0.45
% Limit		5.00 %	5.00 %	5.00 %	5.00 %

- 18** Regression: Theoretical vs. Observed Mean  $y = 1.000x + 0.000$   $r^2 = 1.000$   
(\*) Theoretical values are calculated from the best-fit line between L1, L3.



## Data Set

- 10** Displays the data set submitted

## Linearity Data Analysis

- 11** Levels represent the bottle level tested
- 12** Represents the effective x of each level
- 13** The theoretical value calculated from the best-fit line
- 14** The observed mean of your data set
- 15** The +/- Difference is the absolute difference between the theoretical value (target) and your mean
- 16** The % Difference is the percent difference between the theoretical value (target) and your mean
- 17** The +/- and % Limit are the allowable absolute and percent limits around your theoretical values (targets). LGC Maine Standards uses 50% of the Total Allowable Error to determine applied limits.
- 18** The slope and intercept are calculated using the target values as the 'x' values and the recovered values as the 'y' values

## Linearity Graph

- 19** The blue dashed lines represent the applied limits
- 20** The yellow dashed line represents the linear line
- 21** The green triangles represent your observed values
- 22** The teal square represents the theoretical value (target) and may not be visible behind the green triangle
- 23** The purple square represents the peer mean and may not be visible behind the green triangle

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Peer Group Statistics

	Level 1	Level 2	Level 3	Level 4	Level 5
25 # Labs	1	1	1	1	1
26 # Data Sets	10	10	10	10	10
27 Peer Min	1.00	3.00	5.00	7.00	9.00
Peer Median	1.00	3.00	5.00	7.00	9.00
Peer Max	1.10	3.10	5.10	7.10	9.10

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Peer Group Comparison

	Level 1	Level 2	Level 3	Level 4	Level 5
28 Peer Mean	1.02	3.02	5.01	7.02	9.02
29 Observed Mean	1.00	3.00	5.00	7.00	9.00
30 +/- Difference	0.02	0.02	0.01	0.02	0.02
31 % Difference	0.02%	0.01%	0.00%	0.00%	0.00%
32 +/- Limit	0.10 g/dL	0.15 g/dL	0.25 g/dL	0.35 g/dL	0.45 g/dL
% Limit		5.00%	5.00%	5.00%	5.00%

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Data Review

Reportable Range: 0.40 to 10.50 g/dL

Verified Range: 1.00 to 9.00 g/dL

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Authorizing Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Date: 04/07/2023

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% Difference Versus Peer Mean: GC1 ALB

## Peer Group Statistics

- 24 Levels represent the bottle level tested
- 25 The total number of labs in the peer group
- 26 The total number of data sets in the peer group
- 27 The min, max and mean of data in the peer group

## Peer Group Comparison

- 28 The average of all other labs in the peer group
- 29 Your observed mean
- 30 The +/- difference is the absolute difference between the peer mean and your observed mean
- 31 The % difference is the percent difference between the peer mean and your observed mean
- 32 The +/- and % limit is the allowable absolute and percent limits around the peer mean. LGC Maine Standards uses 50% of the Total Allowable Error to determine limits.

## Data Review

- 37 The reportable range for the analyte and the portion of that range which has been verified
- 38 The name of the person signing off on the report and their authorizing signature

## Peer Graph

- 33 The blue dotted line represents the applied limits
- 34 The yellow dotted line represents two times the percent Coefficient of Variation for each level
- 35 0% represents the peer mean
- 36 The blue squares represent the mean of your replications

**Note:** 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.