



Laboratory Proficiency Testing Program

IF01 - Vitamins & Nutrients in Infant Formula & Adult Nutritionals Program PT Round # 21

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Proficiency Testing Provider

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Report Authorization

This report has been authorized by Shane Flynn, Senior Director
of the AOAC laboratory Proficiency Testing Program.

Shane P Flynn

**REPORT TO PARTICIPANTS IN
THE AOAC® LABORATORY PROFICIENCY TESTING
PROGRAM**

**IF01 VITAMINS AND NUTRIENTS IN INFANT FORMULA &
ADULT NUTRITIONALS PROGRAM**

1.0 Introduction

Test materials for the IF01 Vitamins and Nutrients in Infant Formula & Adult Nutritionals Program were shipped to participants June 30, 2025. Each laboratory was given a site identification number in order to maintain confidentiality. Instructions on how to report results within the AOAC Proficiency Testing website was provided to the participants. Results were to be reported based on the powdered material. Participants were instructed to analyze the test materials according to procedures routinely used in their laboratories. The results were to be recorded and submitted to AOAC INTERNATIONAL by July 30, 2025.

2.0 Preparation of Test Materials

Homogeneity was established for the constituents based on data provided by the manufacturers. Each manufacturer provided data on 10 samples across the lot for these 5 nutrients (Ca, Mn, Zn, vitamin B6, vitamin E acetate). RSDs were less than 3% for those 10 measurements for all nutrients in both samples, which demonstrates homogeneity.

Each set of test materials included two samples. The samples were two matrices. Test sample 1 was a high protein Adult Nutritional Formula Powder (NIST Sample 1). The sample contained approximately 400 g of material. Test sample 2, was a hydrolyzed milk-based Infant Formula Powder (NIST Sample 2). The sample contained approximately 400 g of material.

Samples were shipped by the following laboratory:

National Institute of Standards
and Technology (NIST)
100 Bureau Drive
Gaithersburg, MD 20899-8392

3.0 Calculation and Interpretation of z-scores:

For each individual result, a z-score was calculated as follows:

$$Z_i = \frac{X_i - X_{pt}}{\delta_{pt}}$$

where:

Z_i = the z score (standard score)

X_i = the reported value of analyte

X_{pt} = the assigned value, the best estimate of the true concentration

δ_{pt} = the estimate of variation (standard deviation)

The assigned value used was based on the formulation. The standard deviation used was 20% of the assigned value, the SD represents the use of the Horwitz equation. Measurement uncertainty (standard uncertainty of the assigned value) has also been provided.

$MU = (1.25 * (sd/\sqrt{n}))$ where n=sample size

The following interpretation of z-scores for each individual test result is provided in of ISO/IEC 17043:2023 Conformity Assessment - General requirements for proficiency testing schemes common examples of application of z-scores:

- A result that gives $|z| \leq 2.0$ is considered to be acceptable.
- A result that gives $2.0 < |z| < 3.0$ is considered to give a warning signal.
- A result that gives $|z| \geq 3.0$ is considered to be unacceptable (or action signal).

Calculations for z scores based on the data presented in the results sheet might be slightly different from the z-scores assigned by AOAC. The z-scores assigned by AOAC are based on calculations that use more significant figures than is possible to display on the results sheet.

4.0 Results

4.1 General Discussion of Results

Confidentiality of results will be maintained by issuing site identification codes to the participants. Results in reports will only be identified by the site identification code. Z-scores have been provided for the following nutrients: Vitamin D2 (Sample 1 only), Vitamin D3, Folic acid, Inositol, Vitamin B1, Vitamin B2, Vitamin B3, Vitamin B6, Vitamin B12, Biotin, Pantothenic Acid, Vitamin K1, Vitamin C, Chromium, Molybdenum, Selenium, Iodine, fatty acids-alpha Linolenic acid (ALA) (Sample 2 only), Linoleic acid (LA) (Sample 2 only), Arachidonic (ARA), and Docosahexaenoic (DHA), AMP Adenosine 5-monophosphate, CMP Cytidine 5-monophosphate, GMP Guanosine 5-monophosphate, and UMP Uridine 5-monophosphate. Participants had the choice to report results for the AOAC Official Methods of Analysis (OMA) and/or some Other Method, for each nutrient. Some tests had fewer participants submitting results because some of the laboratories do not routinely perform all the analyses. The assigned value was determined by formulation and the standard deviation is 20% of the assigned value. If a Nutrient did not have an assigned value provided then that value was not available on the certificate of analysis for the matrix and is labeled in the report as Not Used for Evaluation.

AOAC is instituting an approach to provide information on the performance of the different methods used by participants. Participants will have to make sure that their method is correctly transcribed so that their results are scored with the correct group in the future.

Appendix A is included in this report to show the assigned value, standard deviation, median, and min and max results; and participant z-scores and corresponding measurement uncertainty where applicable. Measurement uncertainty, or in the case with these statistics, "standard uncertainty of the assigned value", has been included. If a component was included in the analysis by a laboratory, but it was lower than their limit of quantitation, it is represented as "Results Reported as Less Than" in the notes field. Each laboratory should use the information in Appendix A to determine areas of improvement. Appendix B is table of all reported results and z-scores. Appendix C is data plots for participating laboratories. Appendix D is instructions for analysis.

If a participant would like to appeal against the assessment of their performance in this proficiency testing scheme, please contact staff at LPTP@AOAC.org

4.2 Comments and Recommendations

Some laboratories received z-scores in the unacceptable range “— A result that gives Outlier: Z beyond 3 is considered to be unacceptable (or action signal)”. These laboratories may be reporting in the incorrect units. Participating laboratories should verify the requested reporting units from instructions and online and be sure to report in those units.

Individual laboratory results are in Appendix A

Sample Ship Date:
June 30, 2025

AOAC Laboratory Proficiency Testing Program IF01 Nutrients in Infant Formula and Adult Nutritionals Instructions for Analysis

Enclosed are two samples of infant formula and/or adult nutritional products. Appropriate action(s) should be taken to ensure a representative sample, including thorough mixing of the entire container prior to sampling. Samples should be handled like routine samples. **Report results based on the powdered material.** Labs have 30 days to analyze samples and report results. Analyses should be performed on the same day, as soon as possible after the samples are opened or reconstituted (If using a method that requires reconstituting). **RESULTS ARE DUE July 30, 2025. For instructions on how to report online, use the link, login, and password sent in an email from the AOAC PT Website.**

Test samples 1 & 2 are fortified infant formula and/or adult nutritional products. Each package contains approximately 450 g of material. Store these materials at room temperature in the original, unopened packaging before and during analysis. After opening, the samples should be stored under refrigeration (4 °C). Use your own protocols for determining parameters such as sample size, number of replicates, etc.

Each participating laboratory can submit results for up to two methods for each nutrient. Laboratories can choose to report results obtained using the current AOAC SPIFAN Official Method of Analysis (OMA) **METHOD 1** and/or an alternate routine method of analysis **METHOD 2**. The participants have the option of marking the analysis as "Not Tested" for any test. Information on the method used for each analyses was requested.

For the matrices being used this round, AOAC will be able to provide z-scores for the following nutrients: Vitamin A - Retinol (total), Folic acid, Vitamin B1, Vitamin B2, Vitamin B3, Vitamin B5, Vitamin B6, Vitamin B12, Biotin, Vitamin K1, myo-Inositol, Selenium, Vitamin C, Vitamin D2, Vitamin D3, Vitamin E - alpha-tocopherol acetate, Iodine, fatty acids- ALA, LA, ARA, DHA, Nucleotides - CMP, AMP, UMP, GMP & Ultratrace Minerals (Chromium & Molybdenum).

If applicable to your laboratory, analyze each of the samples for the following:

Water Soluble Vitamins	Units*	AOAC OMA
Vitamin B1 - Thiamin Ion (base)	mcg/100 g**	AOAC OMA 2015.14
Vitamin B2 - Riboflavin	mcg/100 g**	AOAC OMA 2015.14
Vitamin B3 - Total B3 (Niacin)	mcg/100 g**	AOAC OMA 2015.14
Vitamin B5 - Pantothenic Acid	mcg/100 g**	AOAC OMA 2012.16
Vitamin B6 - Pyridoxine (base)	mcg/100 g**	AOAC OMA 2015.14
Vitamin B12 - Cyanocobalamin	mcg/100g**	AOAC OMA 2011.10
Vitamin C	mg/100 g	AOAC OMA 2012.22
Biotin	mcg/100 g**	AOAC OMA 2016.02
Folic Acid	mcg/100 g**	AOAC OMA 2011.06

Oil Soluble Vitamins	Units*	AOAC OMA
Vitamin A – Retinol (total) 13-cis Retinyl Palmitate all-trans Retinyl Palmitate 13- cis Retinyl Acetate all-trans Retinyl Acetate	mcg/100 g**	AOAC OMA 2012.10
Vitamin D2, D3	mg/100 g	AOAC OMA 2016.05
Vitamin E – alpha-tocopherol tocopherol alpha-tocopherol acetate	mg/100 g	AOAC OMA 2012.10
Vitamin K1	mcg/100 g**	AOAC OMA 2015.09

Other Nutrients	Units*	AOAC OMA
Fatty Acids	g/100 g	AOAC OMA 2012.13
Iodine	mcg/100 g**	AOAC OMA 2012.15
Myo-inositol	mg/100 g	AOAC OMA 2011.18
Nucleotides	mg/100 g	AOAC OMA 2011.20
Ultratrace Minerals (Chromium, Selenium, Molybdenum)	mcg/100 g**	AOAC OMA 2011.19

*units describe quantity in a final powdered product. **mcg=micrograms

Email us at LPTP@AOAC.org with any questions about the program, or if you have problems with your shipment. Thank you for your participation.

Infant Formula Testing Results Ship Date: 06/30/2025
Display of All Reported Results and z-Scores (When Applicable)
Site=161162

Site	Nutrient	Test	Sample	Method Type	Reported Result	Number of Reported Results	Min Result	Mean Result	Median Result	Max Result	Assigned Value	Target sd	Z-Score	Standard Uncertainty of the Assigned Value	Note
161162	Vitamin B1	mcg/100g Thiamin Ion (base)	1	AOAC	Not Tested	3	1807.000	1855.530	1819.590	1940.000	2000	400			
161162	Vitamin B1	mcg/100g Thiamin Ion (base)	1	OTHER	Not Tested	3	1807.000	1855.530	1819.590	1940.000	2000	400			
161162	Vitamin B1	mcg/100g Thiamin Ion (base)	2	AOAC	Not Tested	3	680.000	735.230	737.790	787.900	860	172			
161162	Vitamin B1	mcg/100g Thiamin Ion (base)	2	OTHER	Not Tested	3	680.000	735.230	737.790	787.900	860	172			
161162	Vitamin B2	mcg/100g Riboflavin	1	AOAC	Not Tested	4	1802.000	1958.281	1927.045	2177.035	1800	360			
161162	Vitamin B2	mcg/100g Riboflavin	1	OTHER	2010.0000	4	1802.000	1958.281	1927.045	2177.035	1800	360	0.583	225.000	
161162	Vitamin B2	mcg/100g Riboflavin	2	AOAC	Not Tested	4	1213.310	1332.523	1277.500	1561.780	1200	240			
161162	Vitamin B2	mcg/100g Riboflavin	2	OTHER	1250.0000	4	1213.310	1332.523	1277.500	1561.780	1200	240	0.208	150.000	
161162	Vitamin B3	mcg/100g Total B3	1	AOAC	Not Tested	3	13095.000	17357.733	16007.500	22970.700	21800	4360			
161162	Vitamin B3	mcg/100g Total B3	1	OTHER	13095.0000	3	13095.000	17357.733	16007.500	22970.700	21800	4360	-1.997	3146.559	
161162	Vitamin B3	mcg/100g Total B3	2	AOAC	Not Tested	3	4730.000	5430.333	5780.000	5781.000	6400	1280			
161162	Vitamin B3	mcg/100g Total B3	2	OTHER	4730.0000	3	4730.000	5430.333	5780.000	5781.000	6400	1280	-1.305	923.760	
161162	Vitamin B6	mcg/100g Pyridoxine (base)	1	AOAC	Not Tested	4	1709.500	1977.495	1780.240	2640.000	1884	376.8			
161162	Vitamin B6	mcg/100g Pyridoxine (base)	1	OTHER	2640.0000	4	1709.500	1977.495	1780.240	2640.000	1884	376.8	2.006	235.500	
161162	Vitamin B6	mcg/100g Pyridoxine (base)	2	AOAC	Not Tested	4	390.000	421.518	417.685	460.700	439.6	87.92			
161162	Vitamin B6	mcg/100g Pyridoxine (base)	2	OTHER	400.0000	4	390.000	421.518	417.685	460.700	439.6	87.92	-0.450	54.950	
161162	Vitamin B12	mcg/100g Cyanocobalamin	1	AOAC	Not Tested	1	3.110	3.110	3.110	3.110	5.9	1.18			
161162	Vitamin B12	mcg/100g Cyanocobalamin	1	OTHER	Not Tested	1	3.110	3.110	3.110	3.110	5.9	1.18			
161162	Vitamin B12	mcg/100g Cyanocobalamin	2	AOAC	Not Tested	1	2.220	2.220	2.220	2.220	2.9	0.58			
161162	Vitamin B12	mcg/100g Cyanocobalamin	2	OTHER	Not Tested	1	2.220	2.220	2.220	2.220	2.9	0.58			
161162	Pantothenic Acid	mcg/100g as Pantothenic Acid	1	AOAC	Not Tested	2	9756.990	9803.495	9803.495	9850.000	9700	1940			
161162	Pantothenic Acid	mcg/100g as Pantothenic Acid	1	OTHER	Not Tested	2	9756.990	9803.495	9803.495	9850.000	9700	1940			
161162	Pantothenic Acid	mcg/100g as Pantothenic Acid	2	AOAC	Not Tested	2	3406.360	3415.680	3415.680	3425.000	3300	660			
161162	Pantothenic Acid	mcg/100g as Pantothenic Acid	2	OTHER	Not Tested	2	3406.360	3415.680	3415.680	3425.000	3300	660			
161162	Vitamin C	mg/100g Vitamin C	1	AOAC	Not Tested	4	138.460	141.570	139.110	149.600	150	30			
161162	Vitamin C	mg/100g Vitamin C	1	OTHER	138.4600	4	138.460	141.570	139.110	149.600	150	30	-0.385	18.750	
161162	Vitamin C	mg/100g Vitamin C	2	AOAC	Not Tested	5	150.700	235.286	259.080	270.750	250	50			
161162	Vitamin C	mg/100g Vitamin C	2	OTHER	259.0800	5	150.700	235.286	259.080	270.750	250	50	0.182	27.951	

Infant Formula Testing Results Ship Date: 06/30/2025
Display of All Reported Results and z-Scores (When Applicable)
Site=161162

Site	Nutrient	Test	Sample	Method Type	Reported Result	Number of Reported Results	Min Result	Mean Result	Median Result	Max Result	Assigned Value	Target sd	Z-Score	Standard Uncertainty of the Assigned Value	Note
161162	Biotin	mcg/100g Biotin	1	AOAC	Not Tested	3	189.900	200.703	197.600	214.610	210	42			
161162	Biotin	mcg/100g Biotin	1	OTHER	Not Tested	3	189.900	200.703	197.600	214.610	210	42			
161162	Biotin	mcg/100g Biotin	2	AOAC	Not Tested	2	29.700	30.200	30.200	30.700	33	6.6			
161162	Biotin	mcg/100g Biotin	2	OTHER	Not Tested	2	29.700	30.200	30.200	30.700	33	6.6			
161162	Folate	mcg/100g Folic Acid	1	AOAC	Not Tested	2	318.500	368.895	368.895	419.290	300	60			
161162	Folate	mcg/100g Folic Acid	1	OTHER	Not Tested	2	318.500	368.895	368.895	419.290	300	60			
161162	Folate	mcg/100g Folic Acid	2	AOAC	Not Tested	2	117.300	135.515	135.515	153.730	143	28.6			
161162	Folate	mcg/100g Folic Acid	2	OTHER	Not Tested	2	117.300	135.515	135.515	153.730	143	28.6			
161162	Vitamin A	mcg/100g Retinol (Total)	1	AOAC	Not Tested	3	351.600	472.733	490.500	576.100	600	120			
161162	Vitamin A	mcg/100g Retinol (Total)	1	OTHER	351.6000	3	351.600	472.733	490.500	576.100	600	120	-2.070	86.603	
161162	Vitamin A	mcg/100g Retinol (Total)	2	AOAC	Not Tested	3	613.000	736.760	687.150	910.130	740	148			
161162	Vitamin A	mcg/100g Retinol (Total)	2	OTHER	910.1300	3	613.000	736.760	687.150	910.130	740	148	1.150	106.810	
161162	Vitamin A	mcg/100g 13-cis Retinyl Palmitate	1	AOAC	Not Tested	1	90.570	90.570	90.570	90.570					Not Used for Evaluation
161162	Vitamin A	mcg/100g 13-cis Retinyl Palmitate	1	OTHER	90.5700	1	90.570	90.570	90.570	90.570					Not Used for Evaluation
161162	Vitamin A	mcg/100g 13-cis Retinyl Palmitate	2	AOAC	Not Tested	1	0.000	0.000	0.000	0.000					Not Used for Evaluation
161162	Vitamin A	mcg/100g 13-cis Retinyl Palmitate	2	OTHER	< 0.0000	1	0.000	0.000	0.000	0.000					Not Used for Evaluation
161162	Vitamin A	mcg/100g all-trans Retinyl Palmitate	1	AOAC	Not Tested	1	261.030	261.030	261.030	261.030					Not Used for Evaluation
161162	Vitamin A	mcg/100g all-trans Retinyl Palmitate	1	OTHER	261.0300	1	261.030	261.030	261.030	261.030					Not Used for Evaluation
161162	Vitamin A	mcg/100g all-trans Retinyl Palmitate	2	AOAC	Not Tested	1	0.000	0.000	0.000	0.000					Not Used for Evaluation
161162	Vitamin A	mcg/100g all-trans Retinyl Palmitate	2	OTHER	< 0.0000	1	0.000	0.000	0.000	0.000					Not Used for Evaluation
161162	Vitamin A	mcg/100g 13-cis Retinyl Acetate	1	AOAC	Not Tested	0									Not Used for Evaluation
161162	Vitamin A	mcg/100g 13-cis Retinyl Acetate	1	OTHER	Not Tested	0									Not Used for Evaluation
161162	Vitamin A	mcg/100g 13-cis Retinyl Acetate	2	AOAC	Not Tested	0									Not Used for Evaluation
161162	Vitamin A	mcg/100g 13-cis Retinyl Acetate	2	OTHER	Not Tested	0									Not Used for Evaluation
161162	Vitamin A	mcg/100g all-trans Retinyl Acetate	1	AOAC	Not Tested	0									Not Used for Evaluation
161162	Vitamin A	mcg/100g all-trans Retinyl Acetate	1	OTHER	Not Tested	0									Not Used for Evaluation
161162	Vitamin A	mcg/100g all-trans Retinyl Acetate	2	AOAC	Not Tested	0									Not Used for Evaluation

Infant Formula Testing Results Ship Date: 06/30/2025
Display of All Reported Results and z-Scores (When Applicable)
Site=161162

Site	Nutrient	Test	Sample	Method Type	Reported Result	Number of Reported Results	Min Result	Mean Result	Median Result	Max Result	Assigned Value	Target sd	Z-Score	Standard Uncertainty of the Assigned Value	Note
161162	Vitamin A	mcg/100g all-trans Retinyl Acetate	2	OTHER	Not Tested	0									Not Used for Evaluation
161162	Vitamin D2	mg/100g Vitamin D2	1	AOAC	Not Tested	4	0.004	0.051	0.006	0.190	0.0105	0.0021			
161162	Vitamin D2	mg/100g Vitamin D2	1	OTHER	Not Tested	4	0.004	0.051	0.006	0.190	0.0105	0.0021			
161162	Vitamin D2	mg/100g Vitamin D2	2	AOAC	Not Tested	4	0.000	0.641	0.008	2.550					Not Used for Evaluation
161162	Vitamin D2	mg/100g Vitamin D2	2	OTHER	Not Tested	4	0.000	0.641	0.008	2.550					Not Used for Evaluation
161162	Vitamin D3	mg/100g Vitamin D3	1	AOAC	Not Tested	5	0.007	0.130	0.015	0.600	0.01325	0.00265			
161162	Vitamin D3	mg/100g Vitamin D3	1	OTHER	Not Tested	5	0.007	0.130	0.015	0.600	0.01325	0.00265			
161162	Vitamin D3	mg/100g Vitamin D3	2	AOAC	Not Tested	5	0.001	2.955	0.011	14.740	0.011	0.0022			
161162	Vitamin D3	mg/100g Vitamin D3	2	OTHER	Not Tested	5	0.001	2.955	0.011	14.740	0.011	0.0022			
161162	Vitamin E	mg/100g alpha-tocopherol (Total)	1	AOAC	Not Tested	3	8.970	12.403	12.730	15.510					Not Used for Evaluation
161162	Vitamin E	mg/100g alpha-tocopherol (Total)	1	OTHER	8.9700	3	8.970	12.403	12.730	15.510					Not Used for Evaluation
161162	Vitamin E	mg/100g alpha-tocopherol (Total)	2	AOAC	Not Tested	3	13.970	17.057	15.510	21.690					Not Used for Evaluation
161162	Vitamin E	mg/100g alpha-tocopherol (Total)	2	OTHER	21.6900	3	13.970	17.057	15.510	21.690					Not Used for Evaluation
161162	Vitamin E	mg/100g tocopherol	1	AOAC	Not Tested	1	1.840	1.840	1.840	1.840					Not Used for Evaluation
161162	Vitamin E	mg/100g tocopherol	1	OTHER	1.8400	1	1.840	1.840	1.840	1.840					Not Used for Evaluation
161162	Vitamin E	mg/100g tocopherol	2	AOAC	Not Tested	1	6.400	6.400	6.400	6.400					Not Used for Evaluation
161162	Vitamin E	mg/100g tocopherol	2	OTHER	6.4000	1	6.400	6.400	6.400	6.400					Not Used for Evaluation
161162	Vitamin E	mg/100g alpha-tocopherol acetate	1	AOAC	Not Tested	2	7.140	11.735	11.735	16.330	17.49	3.498			
161162	Vitamin E	mg/100g alpha-tocopherol acetate	1	OTHER	7.1400	2	7.140	11.735	11.735	16.330	17.49	3.498	-2.959	3.092	
161162	Vitamin E	mg/100g alpha-tocopherol acetate	2	AOAC	Not Tested	2	0.710	8.000	8.000	15.290	16.21	3.242			
161162	Vitamin E	mg/100g alpha-tocopherol acetate	2	OTHER	15.2900	2	0.710	8.000	8.000	15.290	16.21	3.242	-0.284	2.866	
161162	Fatty Acids	g/100g C18:2n6 Linoleic acid (LA)	1	AOAC	Not Tested	1	51.430	51.430	51.430	51.430					Not Used for Evaluation
161162	Fatty Acids	g/100g C18:2n6 Linoleic acid (LA)	1	OTHER	Not Tested	1	51.430	51.430	51.430	51.430					Not Used for Evaluation
161162	Fatty Acids	g/100g C18:2n6 Linoleic acid (LA)	2	AOAC	Not Tested	1	22.020	22.020	22.020	22.020	5.4	1.08			
161162	Fatty Acids	g/100g C18:2n6 Linoleic acid (LA)	2	OTHER	Not Tested	1	22.020	22.020	22.020	22.020	5.4	1.08			
161162	Fatty Acids	g/100g C18:3n3 alpha Linolenic acid (ALA)	1	AOAC	Not Tested	1	1.020	1.020	1.020	1.020					Not Used for Evaluation
161162	Fatty Acids	g/100g C18:3n3 alpha Linolenic acid (ALA)	1	OTHER	Not Tested	1	1.020	1.020	1.020	1.020					Not Used for Evaluation

Infant Formula Testing Results Ship Date: 06/30/2025
Display of All Reported Results and z-Scores (When Applicable)
Site=161162

Site	Nutrient	Test	Sample	Method Type	Reported Result	Number of Reported Results	Min Result	Mean Result	Median Result	Max Result	Assigned Value	Target sd	Z-Score	Standard Uncertainty of the Assigned Value	Note
161162	Fatty Acids	g/100g C18:3n3 alpha Linolenic acid (ALA)	2	AOAC	Not Tested	1	2.560	2.560	2.560	2.560	0.6	0.12			
161162	Fatty Acids	g/100g C18:3n3 alpha Linolenic acid (ALA)	2	OTHER	Not Tested	1	2.560	2.560	2.560	2.560	0.6	0.12			
161162	Fatty Acids	g/100g C20:4n6 Arachidonic (ARA)	1	AOAC	Not Tested	1	1.480	1.480	1.480	1.480	0.21	0.042			
161162	Fatty Acids	g/100g C20:4n6 Arachidonic (ARA)	1	OTHER	Not Tested	1	1.480	1.480	1.480	1.480	0.21	0.042			
161162	Fatty Acids	g/100g C20:4n6 Arachidonic (ARA)	2	AOAC	Not Tested	1	0.370	0.370	0.370	0.370	0.082	0.0164			
161162	Fatty Acids	g/100g C20:4n6 Arachidonic (ARA)	2	OTHER	Not Tested	1	0.370	0.370	0.370	0.370	0.082	0.0164			
161162	Fatty Acids	g/100g C22:6n3 cis - 4,7,10,13,16,19 – Docosahexaenoic (DHA)	1	AOAC	Not Tested	1	0.690	0.690	0.690	0.690	0.11	0.022			
161162	Fatty Acids	g/100g C22:6n3 cis - 4,7,10,13,16,19 – Docosahexaenoic (DHA)	1	OTHER	Not Tested	1	0.690	0.690	0.690	0.690	0.11	0.022			
161162	Fatty Acids	g/100g C22:6n3 cis - 4,7,10,13,16,19 – Docosahexaenoic (DHA)	2	AOAC	Not Tested	1	0.360	0.360	0.360	0.360	0.079	0.0158			
161162	Fatty Acids	g/100g C22:6n3 cis - 4,7,10,13,16,19 – Docosahexaenoic (DHA)	2	OTHER	Not Tested	1	0.360	0.360	0.360	0.360	0.079	0.0158			
161162	Inositol	mg/100g myo-inositol	1	AOAC	Not Tested	1	27.960	27.960	27.960	27.960	21	4.2			
161162	Inositol	mg/100g myo-inositol	1	OTHER	Not Tested	1	27.960	27.960	27.960	27.960	21	4.2			
161162	Inositol	mg/100g myo-inositol	2	AOAC	Not Tested	1	35.460	35.460	35.460	35.460	40	8			
161162	Inositol	mg/100g myo-inositol	2	OTHER	Not Tested	1	35.460	35.460	35.460	35.460	40	8			
161162	Chromium	mcg/100g Chromium	1	AOAC	Not Tested	4	33.800	48.429	42.334	75.250	38.2	7.64			
161162	Chromium	mcg/100g Chromium	1	OTHER	Not Tested	4	33.800	48.429	42.334	75.250	38.2	7.64			
161162	Chromium	mcg/100g Chromium	2	AOAC	Not Tested	4	3.310	21.429	9.369	63.670	3.5	0.7			
161162	Chromium	mcg/100g Chromium	2	OTHER	Not Tested	4	3.310	21.429	9.369	63.670	3.5	0.7			
161162	Molybdenum	mcg/100g Molybdenum	1	AOAC	Not Tested	4	10.010	44.598	48.575	71.230	50.1	10.02			
161162	Molybdenum	mcg/100g Molybdenum	1	OTHER	Not Tested	4	10.010	44.598	48.575	71.230	50.1	10.02			
161162	Molybdenum	mcg/100g Molybdenum	2	AOAC	Not Tested	4	4.271	19.878	20.825	33.590	21	4.2			
161162	Molybdenum	mcg/100g Molybdenum	2	OTHER	Not Tested	4	4.271	19.878	20.825	33.590	21	4.2			
161162	Selenium	mcg/100g Selenium	1	AOAC	Not Tested	3	30.750	50.293	41.200	78.930	31.7	6.34			
161162	Selenium	mcg/100g Selenium	1	OTHER	Not Tested	3	30.750	50.293	41.200	78.930	31.7	6.34			
161162	Selenium	mcg/100g Selenium	2	AOAC	Not Tested	3	26.950	42.840	31.300	70.270	26.7	5.34			
161162	Selenium	mcg/100g Selenium	2	OTHER	Not Tested	3	26.950	42.840	31.300	70.270	26.7	5.34			

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Vitamin B1 Test=mcg/100g Thiamin Ion (base)**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	156965	AOAC OMA 2015.14	1807.0000	-0.4825	288.6751
1	188869	AOAC OMA 2015.14	1819.5900	-0.4510	288.6751
1	192922	AOAC OMA 2015.14	1940.0000	-0.1500	288.6751
2	192922	AOAC OMA 2015.14	680.0000	-1.0465	124.1303
2	188869	AOAC OMA 2015.14	737.7900	-0.7105	124.1303
2	156965	AOAC OMA 2015.14	787.9000	-0.4192	124.1303

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Vitamin B2 Test=mcg/100g Riboflavin**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	156965	AOAC OMA 2015.14	1802.0000	0.0056	225.0000
1	172853	09-0112-PRC	1844.0900	0.1225	225.0000
1	161162	ISO 34.2301	2010.0000	0.5833	225.0000
1	188869	AOAC OMA 2015.14	2177.0350	1.0473	225.0000
2	172853	09-0112-PRC	1213.3100	0.0555	150.0000
2	161162	ISO 34.2301	1250.0000	0.2083	150.0000
2	156965	AOAC OMA 2015.14	1305.0000	0.4375	150.0000
2	188869	AOAC OMA 2015.14	1561.7800	1.5074	150.0000

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Vitamin B3 Test=mcg/100g Total B3**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	161162		13095.0000	-1.9966	3146.5590
1	192922	AOAC OMA 2015.14	16007.5000	-1.3286	3146.5590
1	156965	AOAC OMA 2015.14	22970.7000	0.2685	3146.5590
2	161162		4730.0000	-1.3047	923.7604
2	192922	AOAC OMA 2015.14	5780.0000	-0.4844	923.7604
2	156965	AOAC OMA 2015.14	5781.0000	-0.4836	923.7604

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Vitamin B6 Test=mcg/100g Pyridoxine (base)**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	156965	AOAC OMA 2015.14	1709.5000	-0.4631	235.5000
1	188869	AOAC OMA 2015.14	1742.2800	-0.3761	235.5000
1	192922	AOAC OMA 2015.14	1818.2000	-0.1746	235.5000
1	161162		2640.0000	2.0064	235.5000
2	156965	AOAC OMA 2015.14	390.0000	-0.5641	54.9500
2	161162		400.0000	-0.4504	54.9500
2	188869	AOAC OMA 2015.14	435.3700	-0.0481	54.9500
2	192922	AOAC OMA 2015.14	460.7000	0.2400	54.9500

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Vitamin B12 Test=mcg/100g Cyanocobalamin**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	156965	AOAC OMA 2011.10	3.1100	-2.3644	1.4750
2	156965	AOAC OMA 2011.10	2.2200	-1.1724	0.7250

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Pantothenic Acid Test=mcg/100g as Pantothenic Acid**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	172853	09-0112-PRC	9756.9900	0.0294	1714.7339
1	156965	AOAC OMA 2012.16	9850.0000	0.0773	1714.7339
2	172853	09-0112-PRC	3406.3600	0.1612	583.3631
2	156965	AOAC OMA 2012.16	3425.0000	0.1894	583.3631

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Vitamin C Test=mg/100g Vitamin C**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	161162		138.4600	-0.3847	18.7500
1	172853	09-0121-PRC	138.8200	-0.3727	18.7500
1	156965	AOAC OMA 2012.22	139.4000	-0.3533	18.7500
1	166523	AOAC 967.22	149.6000	-0.0133	18.7500
2	192922	AOAC OMA 2012.22	150.7000	-1.9860	27.9508
2	166523	AOAC 967.22	236.1000	-0.2780	27.9508
2	161162		259.0800	0.1816	27.9508
2	156965	AOAC OMA 2012.22	259.8000	0.1960	27.9508
2	172853	09-0121-PRC	270.7500	0.4150	27.9508

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Biotin Test=mcg/100g Biotin**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	184848	AOAC OMA 2016.02	189.9000	-0.4786	30.3109
1	156965	AOAC OMA 2016.02	197.6000	-0.2952	30.3109
1	172853	09-0425-PRC	214.6100	0.1098	30.3109
2	156965	AOAC OMA 2016.02	29.7000	-0.5000	5.8336
2	184848	AOAC OMA 2016.02	30.7000	-0.3485	5.8336

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Folate Test=mcg/100g Folic Acid**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	156965	AOAC OMA 2011.06	318.5000	0.3083	53.0330
1	188869	Vitafast	419.2900	1.9882	53.0330
2	156965	AOAC OMA 2011.06	117.3000	-0.8986	25.2791
2	188869	Vitafast	153.7300	0.3752	25.2791

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Vitamin A Test=mcg/100g 13-cis Retinyl Palmitate**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	161162	ISO 34.2501	90.5700		
2	161162	ISO 34.2501	< 0.0000		

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Vitamin A Test=mcg/100g Retinol (Total)**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	161162	ISO 34.2501	351.6000	-2.0700	86.6025
1	184848	AOAC OMA 2012.10	490.5000	-0.9125	86.6025
1	156965	AOAC OMA 2012.10	576.1000	-0.1992	86.6025
2	156965	AOAC OMA 2012.10	613.0000	-0.8581	106.8098
2	184848	AOAC OMA 2012.10	687.1500	-0.3571	106.8098
2	161162	ISO 34.2501	910.1300	1.1495	106.8098

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Vitamin A Test=mcg/100g all-trans Retinyl Palmitate**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	161162	ISO 34.2501	261.0300		
2	161162	ISO 34.2501	< 0.0000		

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Vitamin D2 Test=mg/100g Vitamin D2**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	188869	AOAC OMA 2016.05	0.0036	-3.3067	0.0013
1	184848	AOAC OMA 2016.05	0.0051	-2.5714	0.0013
1	156965	AOAC OMA 2016.05	0.0070	-1.6667	0.0013
1	172853	09-0132-PRC	0.1900	85.4762	0.0013
2	188869	AOAC OMA 2016.05	0.0000		
2	156965	AOAC OMA 2016.05	0.0100		
2	172853	09-0132-PRC	2.5500		
2	184848	AOAC OMA 2016.05	< 0.0050		

Appendix B

Infant Formula Display of All Reported Results and z-Scores (When Applicable)

Ship Date: 06/30/2025

Nutrient=Vitamin D3 Test=mg/100g Vitamin D3

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	188869	AOAC OMA 2016.05	0.0074	-2.2008	0.0015
1	156965	AOAC OMA 2016.05	0.0120	-0.4717	0.0015
1	184848	AOAC OMA 2016.05	0.0149	0.6226	0.0015
1	166523	AOAC 2011.11	0.0156	0.8755	0.0015
1	172853	09-0132-PRC	0.6000	221.4151	0.0015
2	156965	AOAC OMA 2016.05	0.0010	-4.5455	0.0012
2	184848	AOAC OMA 2016.05	0.0111	0.0455	0.0012
2	166523	AOAC 2011.11	0.0112	0.0955	0.0012
2	188869	AOAC OMA 2016.05	0.0120	0.4518	0.0012
2	172853	09-0132-PRC	14.7400	6695.0000	0.0012

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Vitamin E Test=mg/100g alpha-tocopherol (Total)**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	188869	AOAC 2012.09	12.7300		
1	184848	AOAC OMA 2012.10	15.5100		
1	161162	ISO 34.2501	8.9700		
2	184848	AOAC OMA 2012.10	13.9700		
2	188869	AOAC 2012.09	15.5100		
2	161162	ISO 34.2501	21.6900		

Appendix B

Infant Formula Display of All Reported Results and z-Scores (When Applicable)

Ship Date: 06/30/2025

Nutrient=Vitamin E Test=mg/100g alpha-tocopherol acetate

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	161162	ISO 34.2501	7.1400	-2.9588	3.0918
1	172853	09-0132-PRC	16.3300	-0.3316	3.0918
2	172853	09-0132-PRC	0.7100	-4.7810	2.8656
2	161162	ISO 34.2501	15.2900	-0.2838	2.8656

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Vitamin E Test=mg/100g tocopherol**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	161162	ISO 34.2501	1.8400		
2	161162	ISO 34.2501	6.4000		

Appendix B

Infant Formula Display of All Reported Results and z-Scores (When Applicable)

Ship Date: 06/30/2025

Nutrient=Fatty Acids Test=g/100g C18:2n6 Linoleic acid (LA)

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	184848	AOAC OMA 2012.13	51.4300		
2	184848	AOAC OMA 2012.13	22.0200	15.3889	1.3500

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Fatty Acids Test=g/100g C18:3n3 alpha Linolenic acid (ALA)**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	184848	AOAC OMA 2012.13	1.0200		
2	184848	AOAC OMA 2012.13	2.5600	16.3333	0.1500

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Fatty Acids Test=g/100g C20:4n6 Arachidonic (ARA)**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	184848	AOAC OMA 2012.13	1.4800	30.2381	0.0525
2	184848	AOAC OMA 2012.13	0.3700	17.5610	0.0205

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Fatty Acids Test=g/100g C22:6n3 cis - 4,7,10,13,16,19 – Docosahexaenoic (DHA)**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	184848	AOAC OMA 2012.13	0.6900	26.3636	0.0275
2	184848	AOAC OMA 2012.13	0.3600	17.7848	0.0198

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Inositol Test=mg/100g myo-inositol**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	188869		27.9600	1.6571	5.2500
2	188869		35.4600	-0.5675	10.0000

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Chromium Test=mcg/100g Chromium**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	156965	AOAC OMA 2011.19	33.8000	-0.5759	4.7750
1	172853	09-0095-PRC	40.1170	0.2509	4.7750
1	188869	AOAC 2015.06	44.5500	0.8312	4.7750
1	184848	AOAC OMA 2011.19	75.2500	4.8495	4.7750
2	156965	AOAC OMA 2011.19	3.3100	-0.2714	0.4375
2	172853	09-0095-PRC	5.2870	2.5529	0.4375
2	188869	AOAC 2015.06	13.4500	14.2143	0.4375
2	184848	AOAC OMA 2011.19	63.6700	85.9571	0.4375

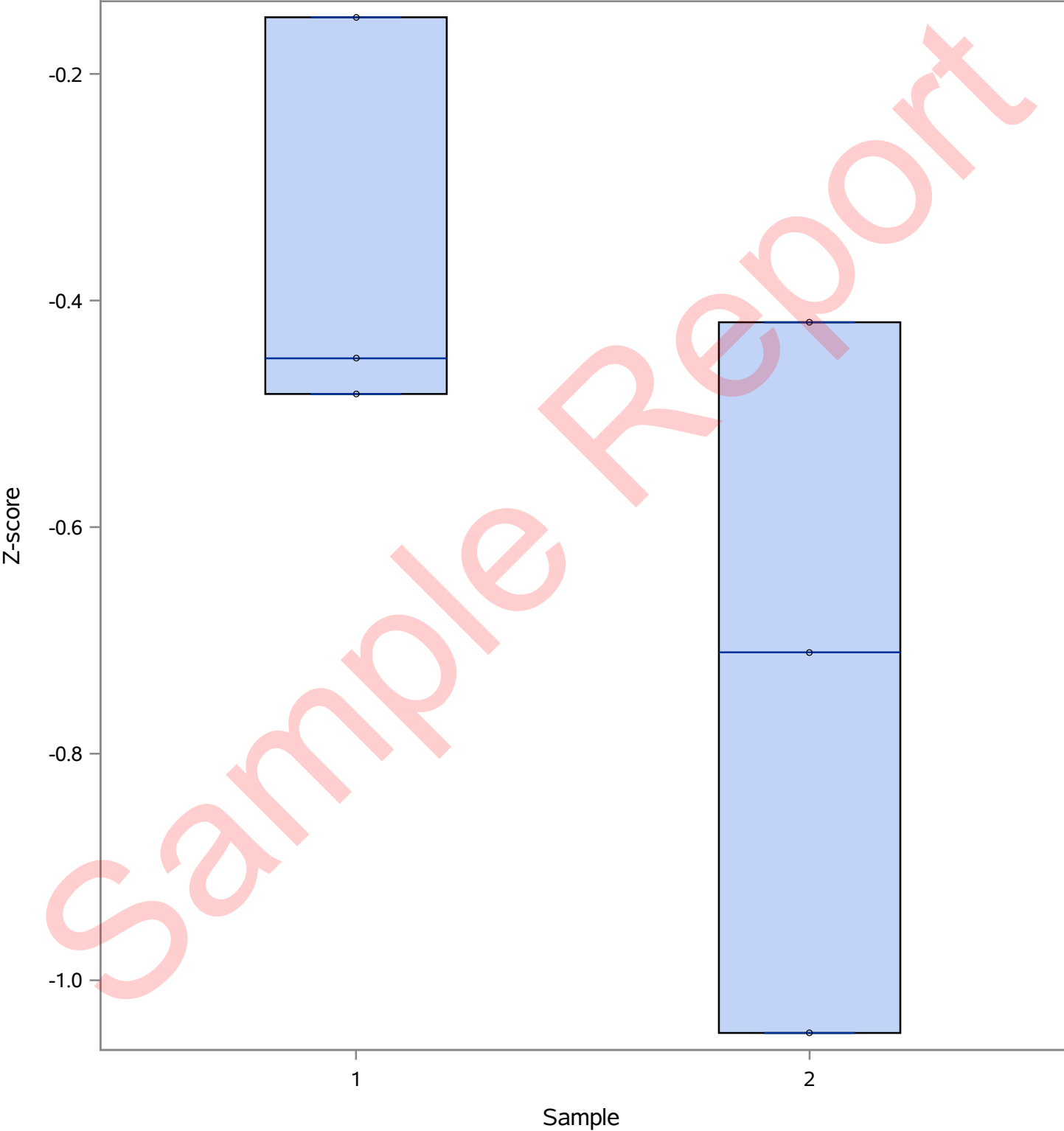
Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Molybdenum Test=mcg/100g Molybdenum**

Sample	SiteID	Method	Participating Laboratories Reported Result	Participating Laboratories z-Score	Standard uncertainty of the assigned value
1	172853	09-0095-PRC	10.0100	-4.0010	6.2625
1	156965	AOAC OMA 2011.19	47.4000	-0.2695	6.2625
1	188869	AOAC 2015.06	49.7500	-0.0349	6.2625
1	184848	AOAC OMA 2011.19	71.2300	2.1088	6.2625
2	172853	09-0095-PRC	4.2710	-3.9831	2.6250
2	156965	AOAC OMA 2011.19	19.9000	-0.2619	2.6250
2	188869	AOAC 2015.06	21.7500	0.1786	2.6250
2	184848	AOAC OMA 2011.19	33.5900	2.9976	2.6250

Appendix B**Infant Formula Display of All Reported Results and z-Scores (When Applicable)****Ship Date: 06/30/2025****Nutrient=Selenium Test=mcg/100g Selenium**

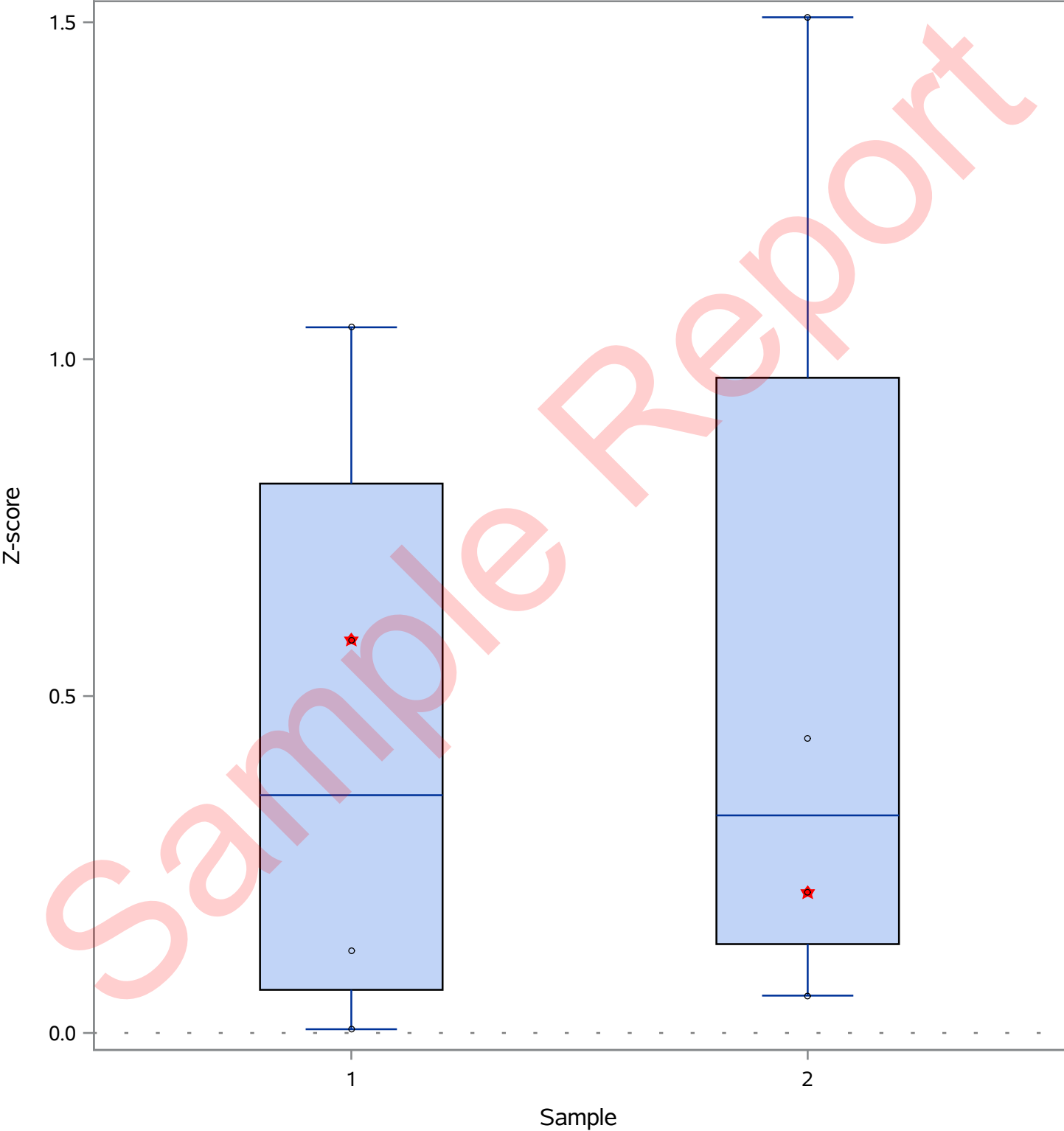
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1	188869	AOAC 2015.06	30.7500	-0.1498	4.5755
1	156965	AOAC OMA 2011.19	41.2000	1.4984	4.5755
1	184848	AOAC OMA 2011.19	78.9300	7.4495	4.5755
2	188869	AOAC 2015.06	26.9500	0.0468	3.8538
2	156965	AOAC OMA 2011.19	31.3000	0.8614	3.8538
2	184848	AOAC OMA 2011.19	70.2700	8.1592	3.8538

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Vitamin B1 Test=mcg/100g Thiamin Ion (base)



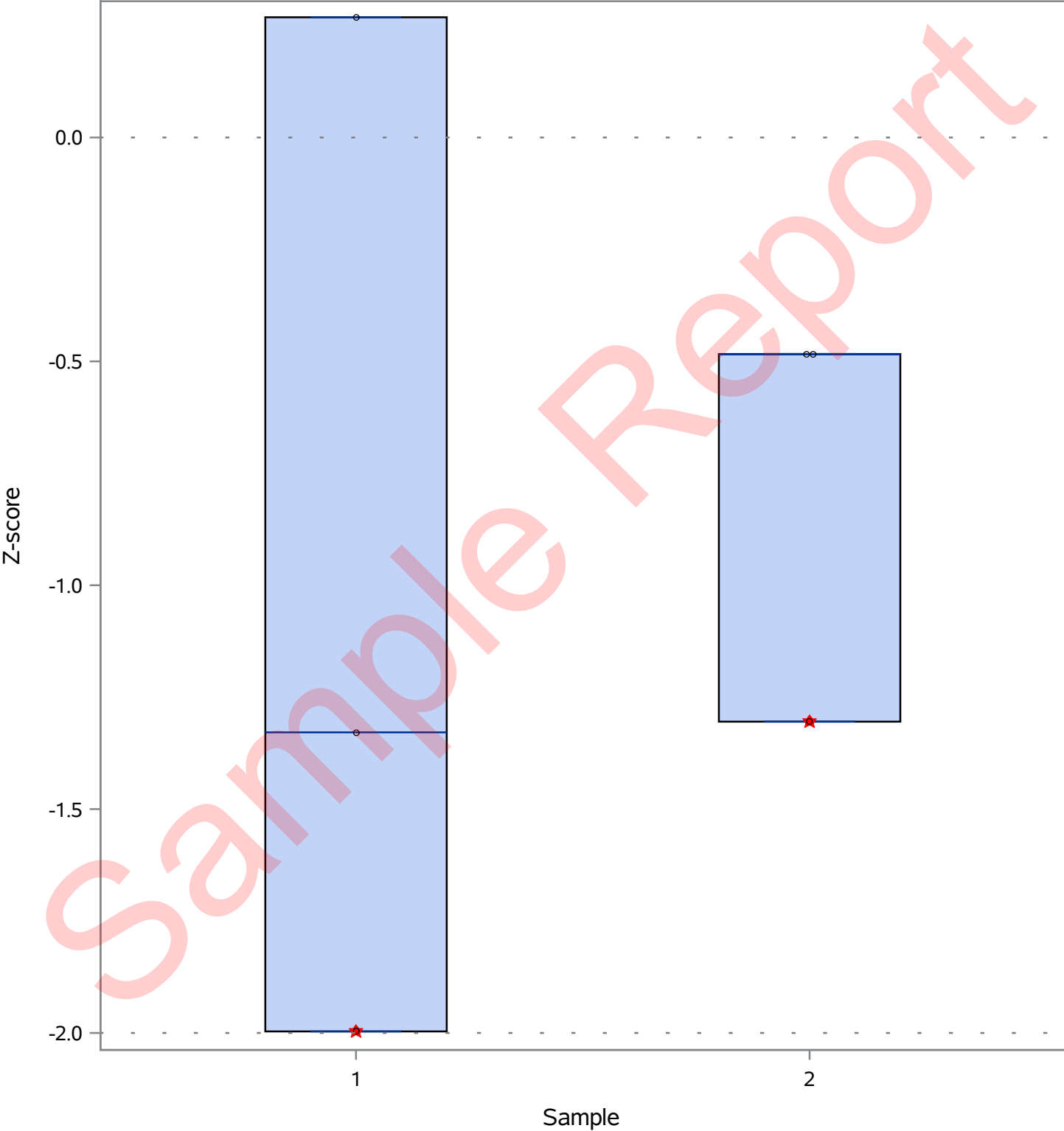
Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Vitamin B2 Test=mcg/100g Riboflavin



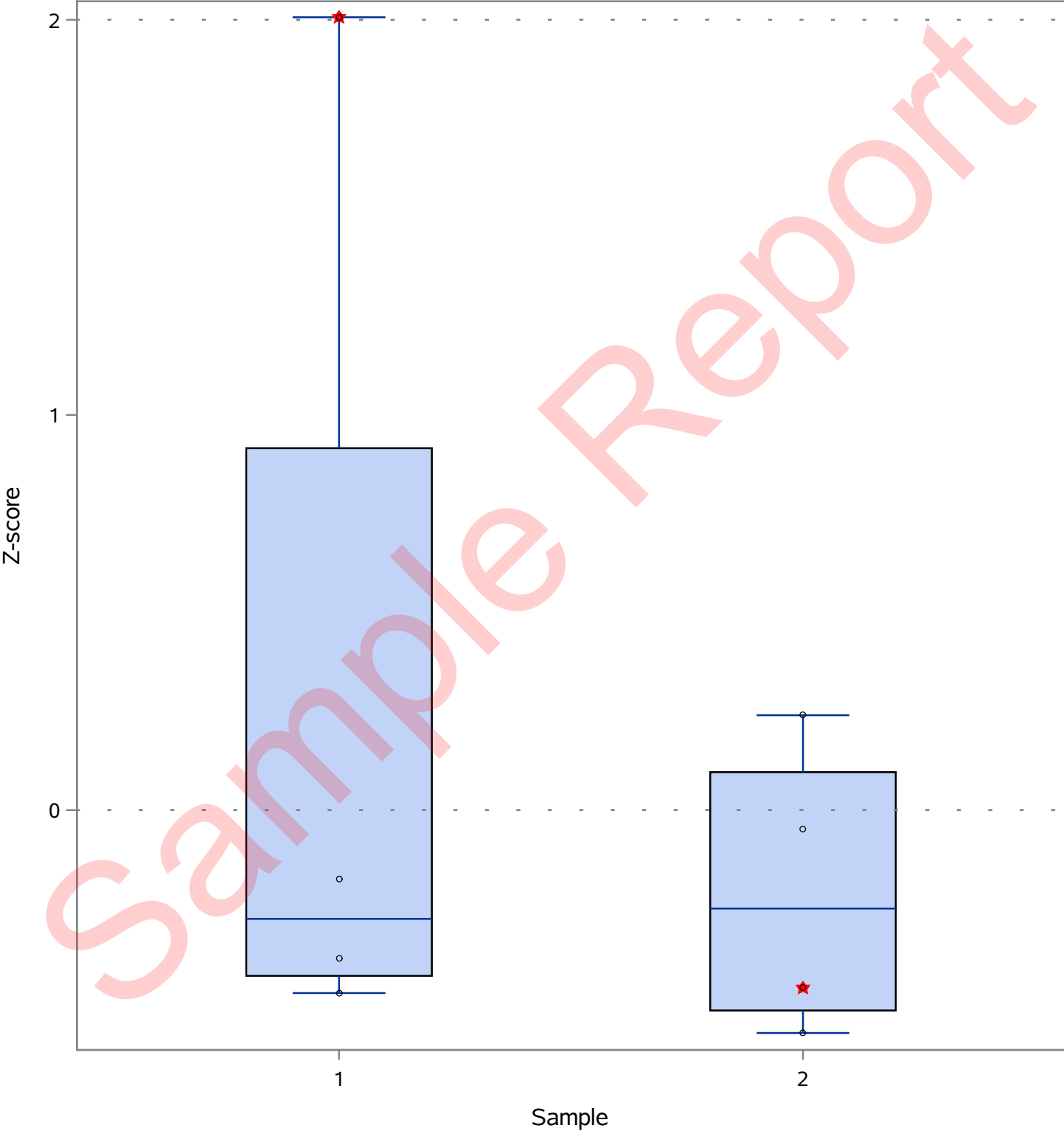
Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Vitamin B3 Test=mcg/100g Total B3



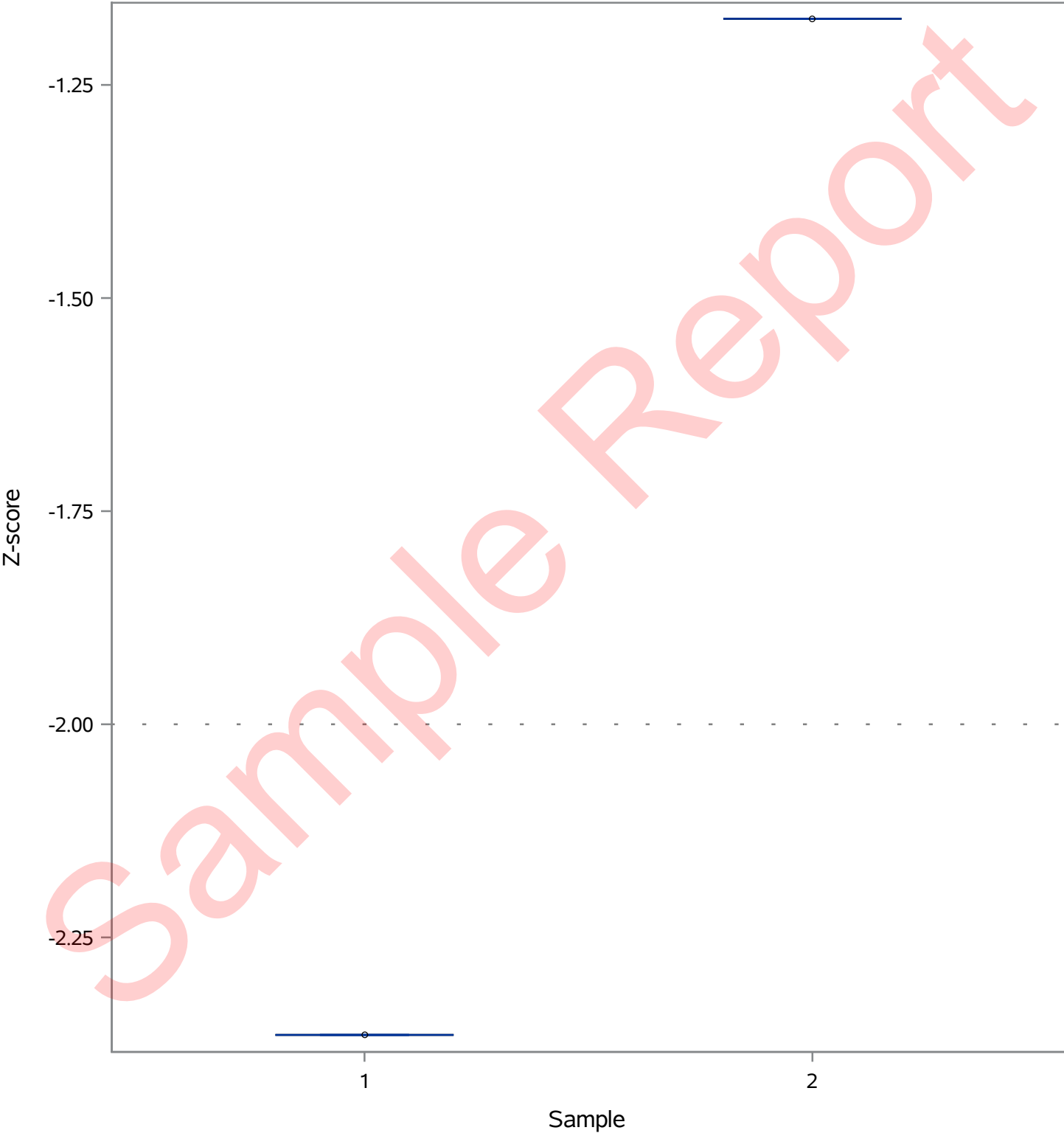
Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Vitamin B6 Test=mcg/100g Pyridoxine (base)



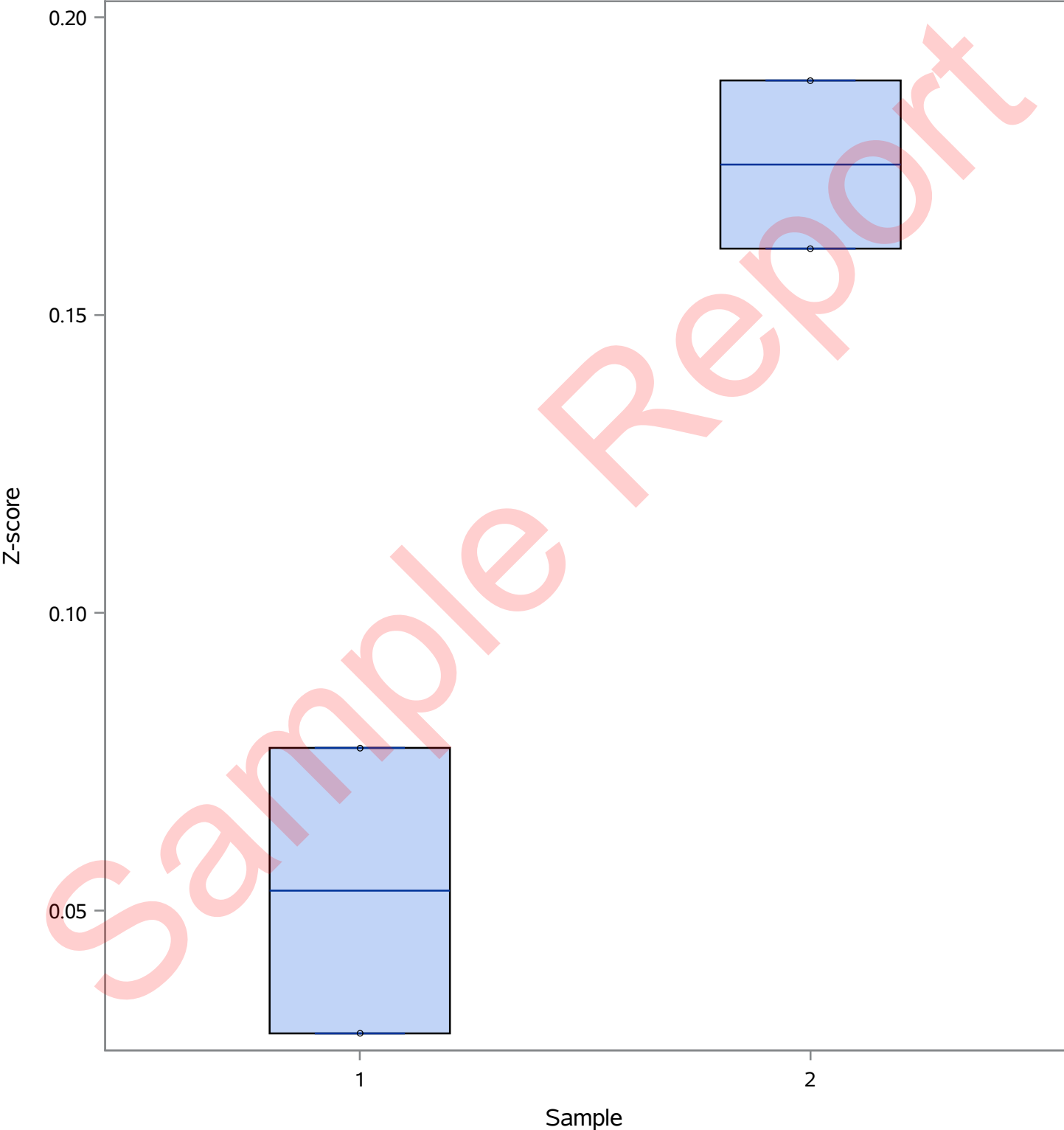
Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Vitamin B12 Test=mcg/100g Cyanocobalamin



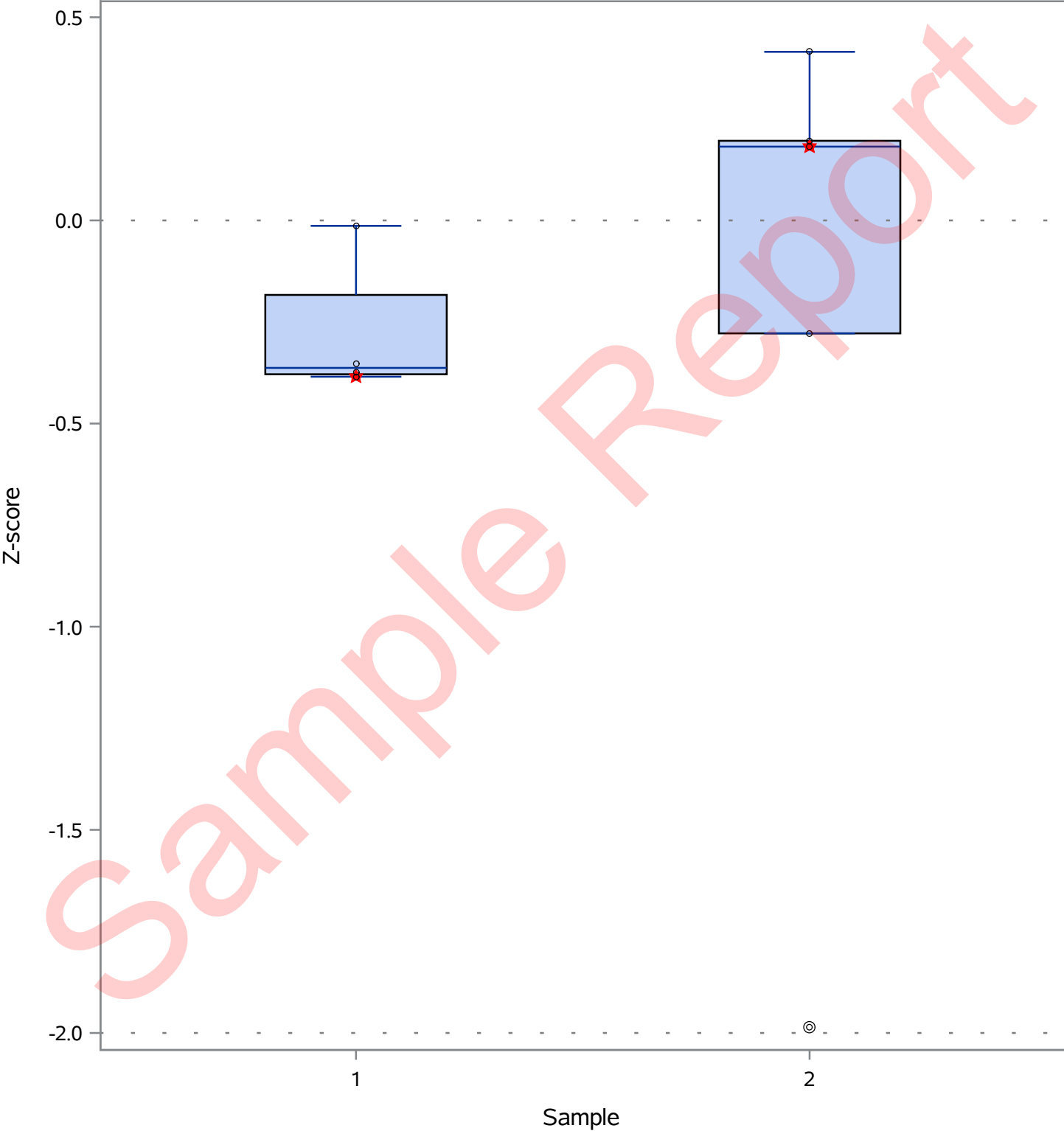
Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Pantothenic Acid Test=mcg/100g as Pantothenic Acid



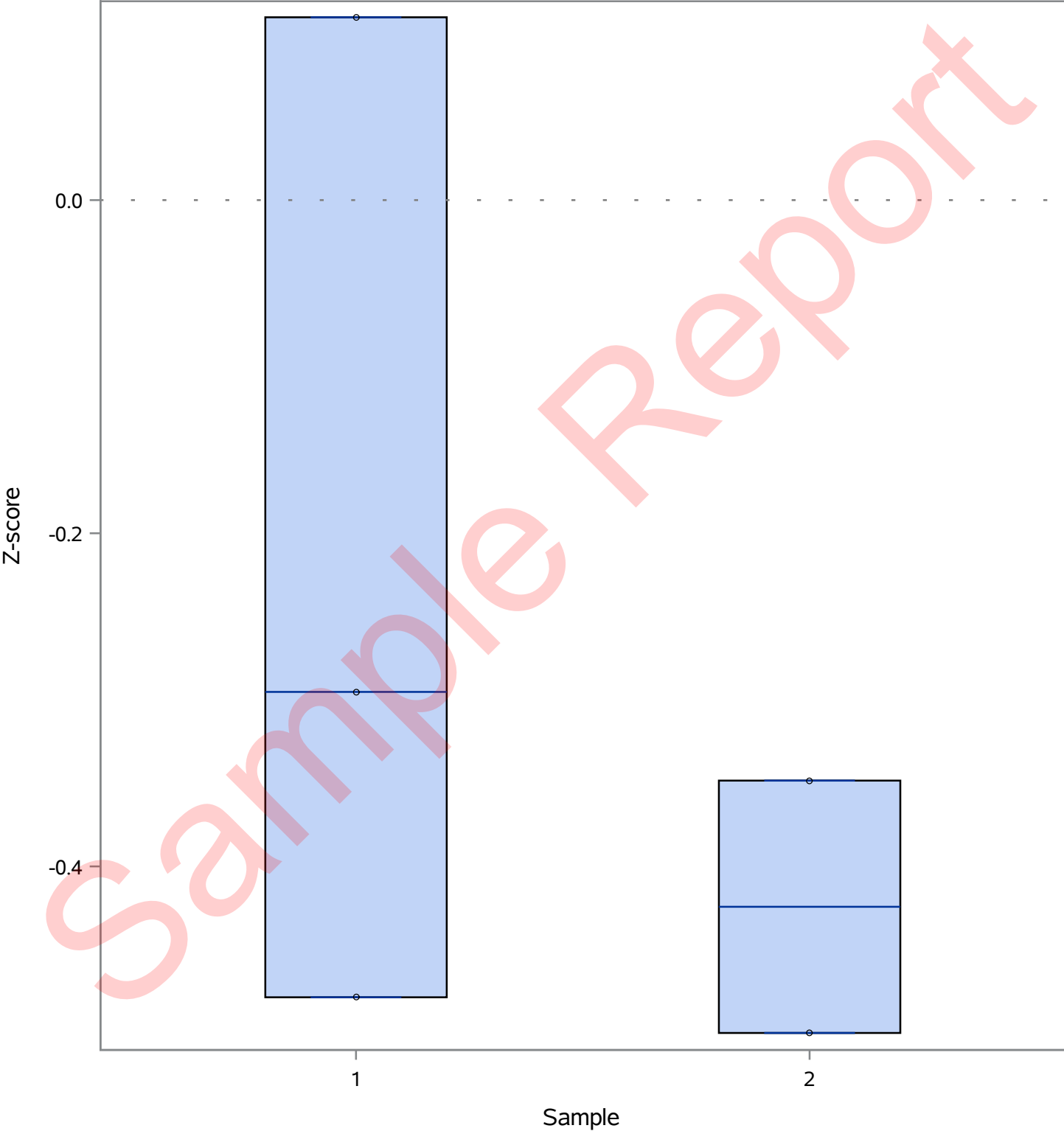
Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Vitamin C Test=mg/100g Vitamin C



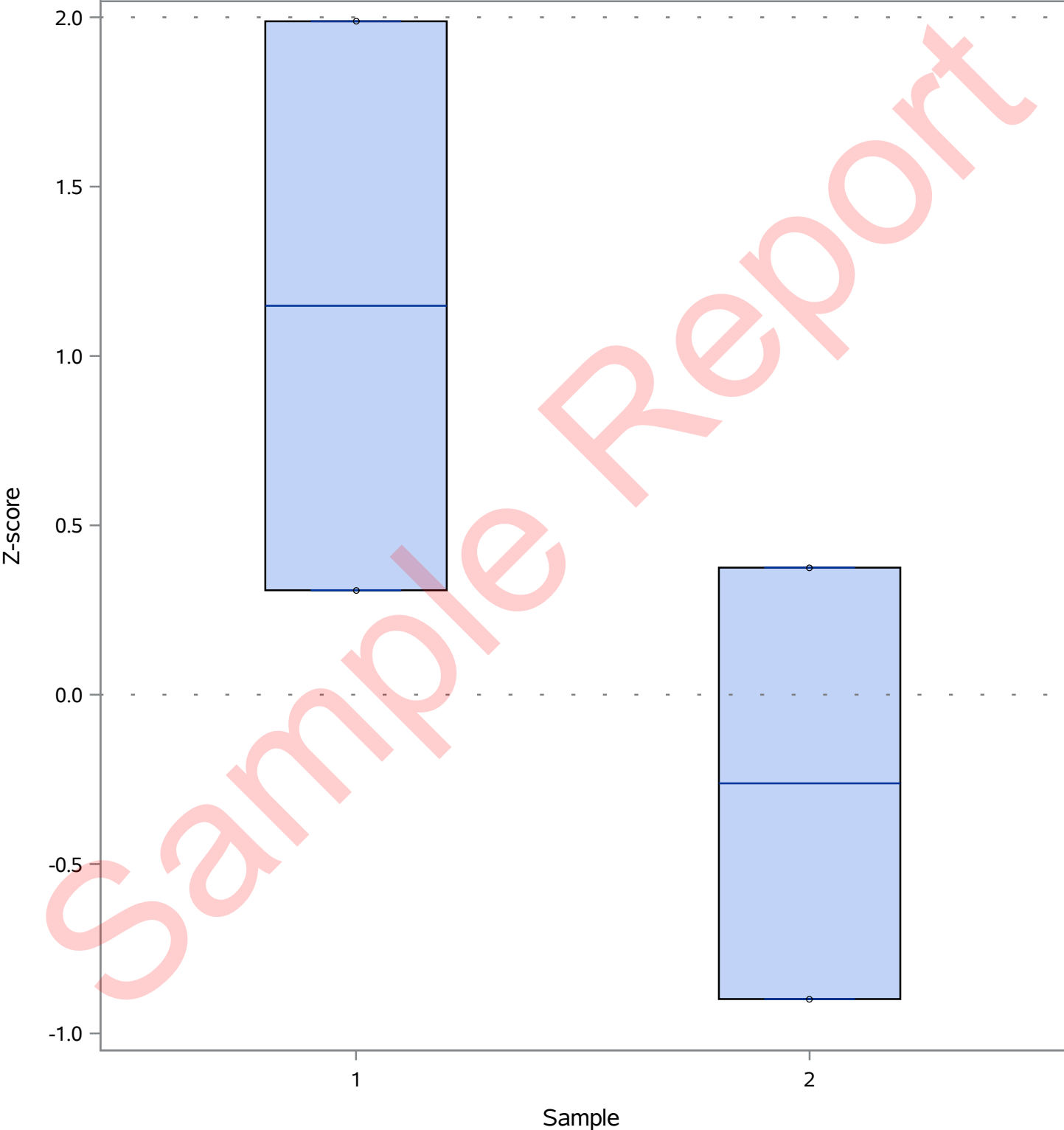
Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Biotin Test=mcg/100g Biotin



Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Folate Test=mcg/100g Folic Acid



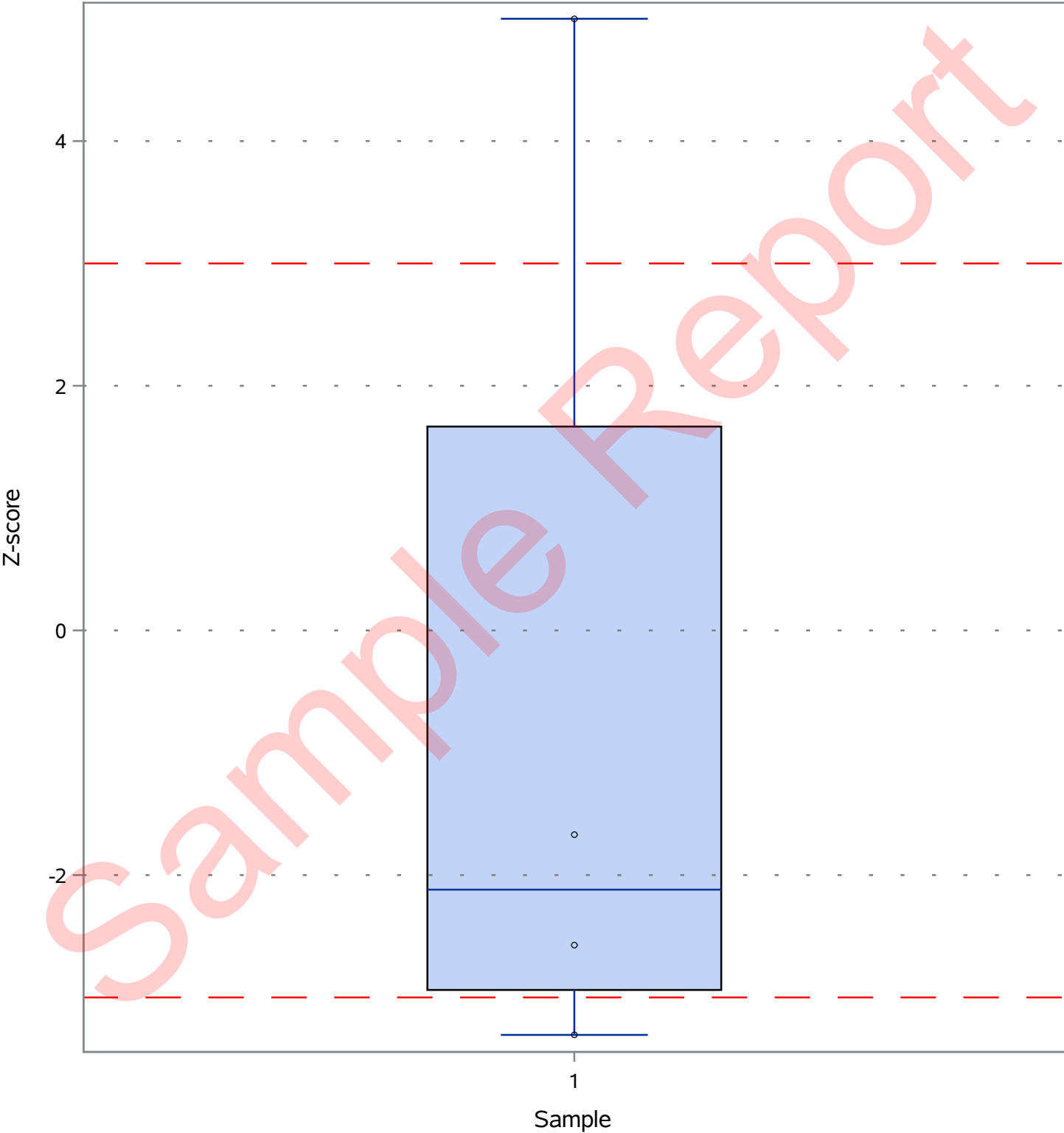
Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Vitamin A Test=mcg/100g Retinol (Total)



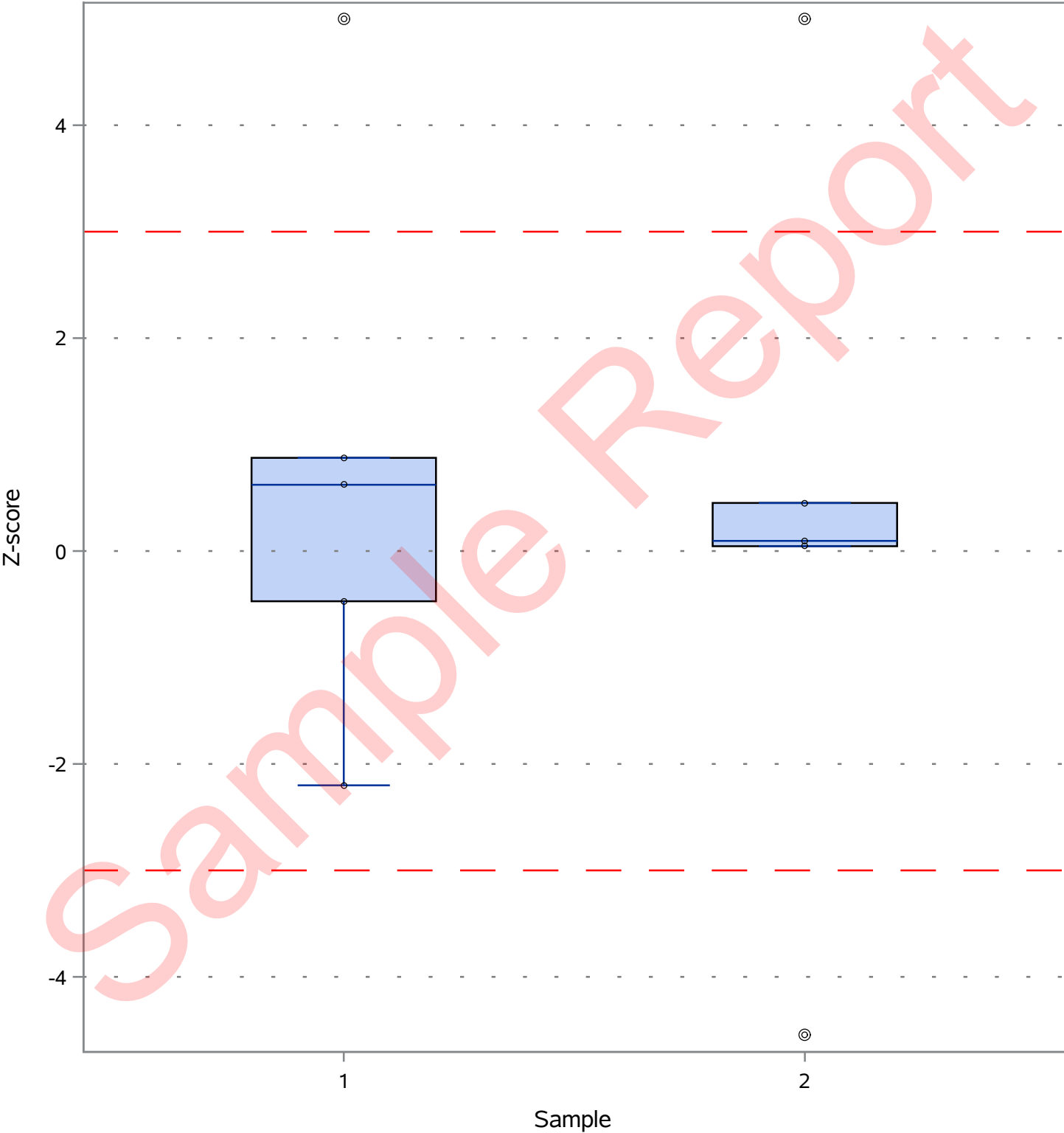
Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Vitamin D2 Test=mg/100g Vitamin D2



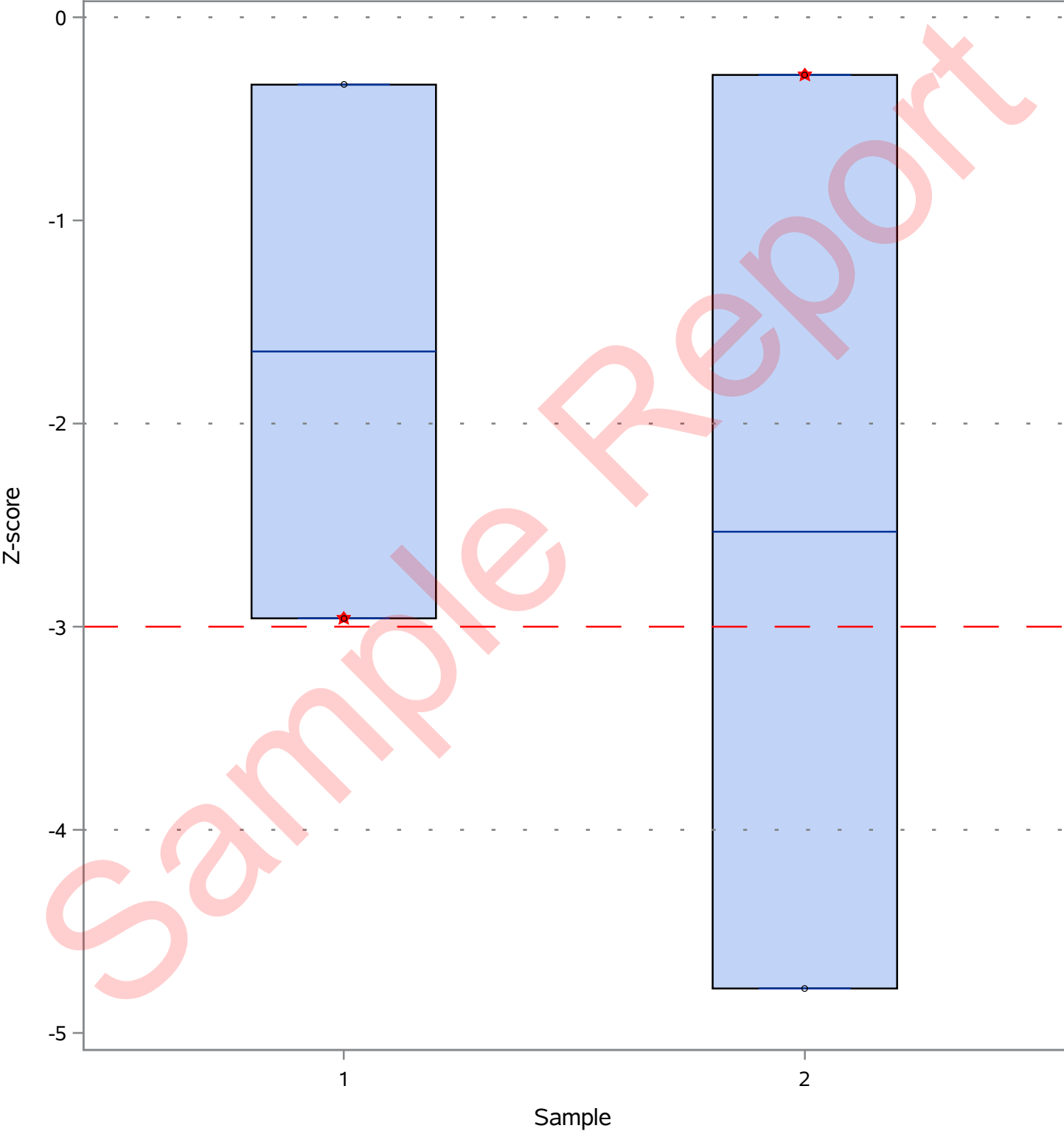
Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Vitamin D3 Test=mg/100g Vitamin D3



Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Vitamin E Test=mg/100g alpha-tocopherol acetate



Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Fatty Acids Test=g/100g C18:2n6 Linoleic acid (LA)



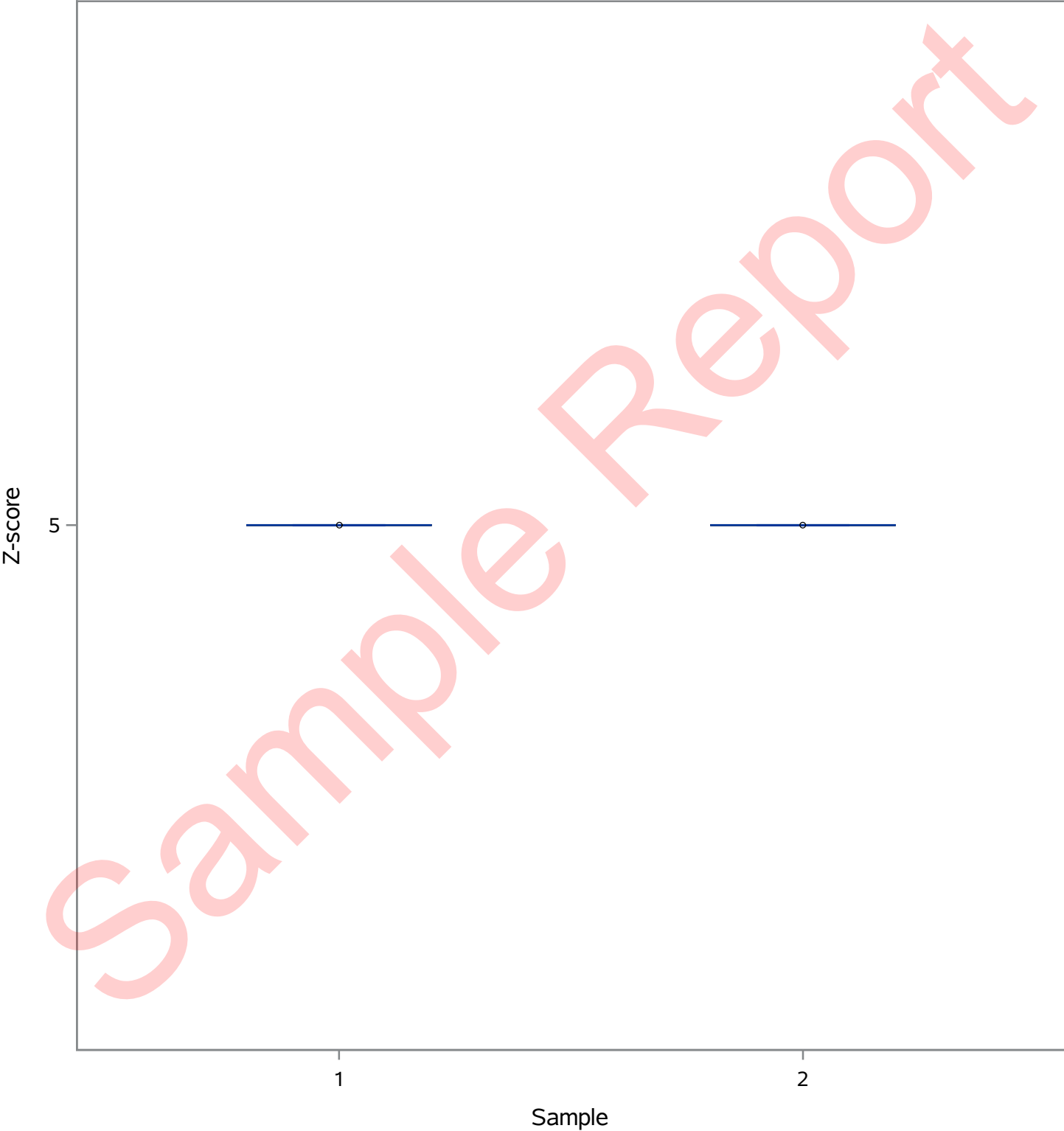
Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Fatty Acids Test=g/100g C18:3n3 alpha Linolenic acid (ALA)



Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Fatty Acids Test=g/100g C20:4n6 Arachidonic (ARA)



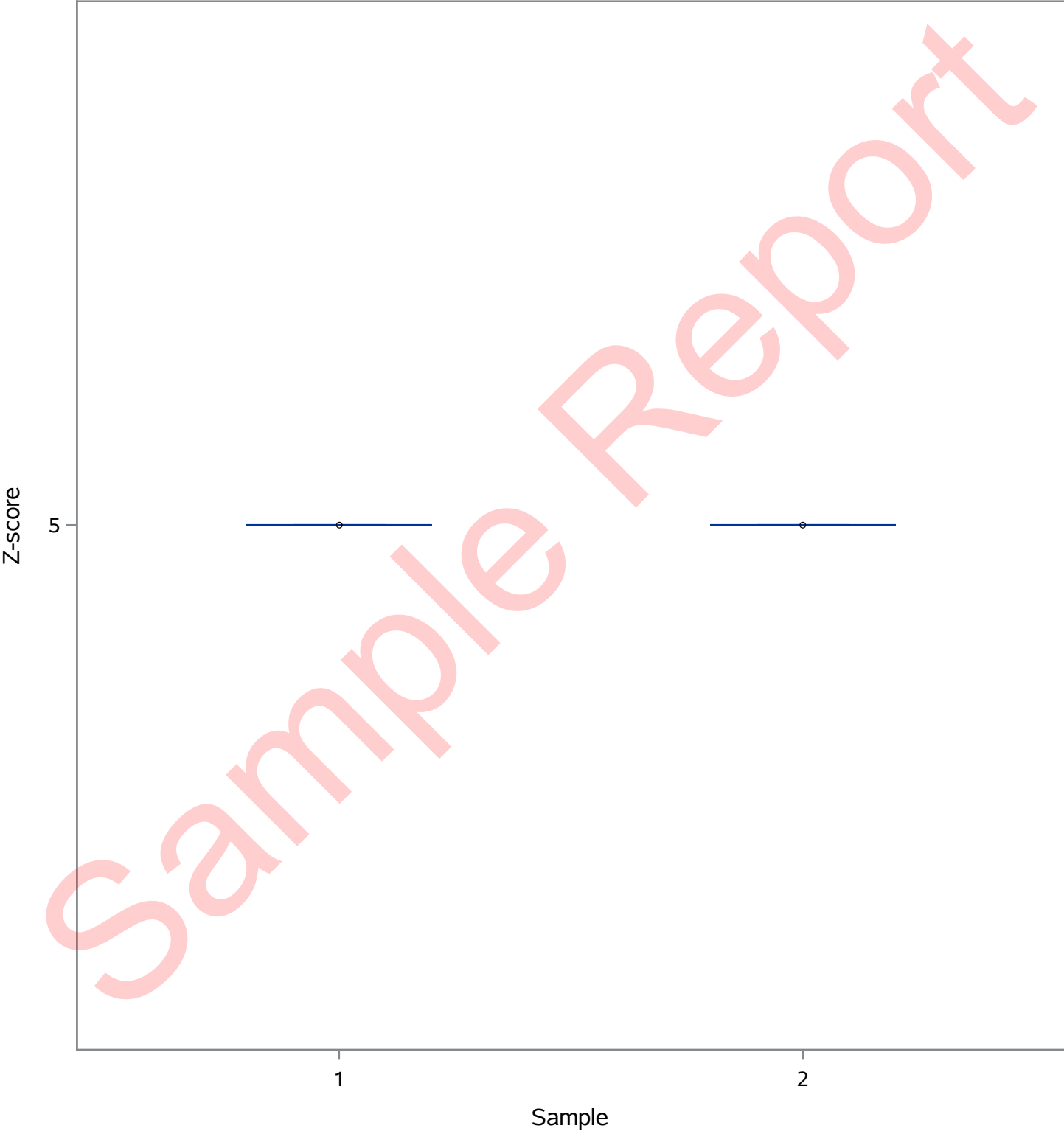
Note: Your Result (Red Star) Compared to All Results

Appendix C

IF01 Z-Score Distributions Ship Date: 06/30/2025

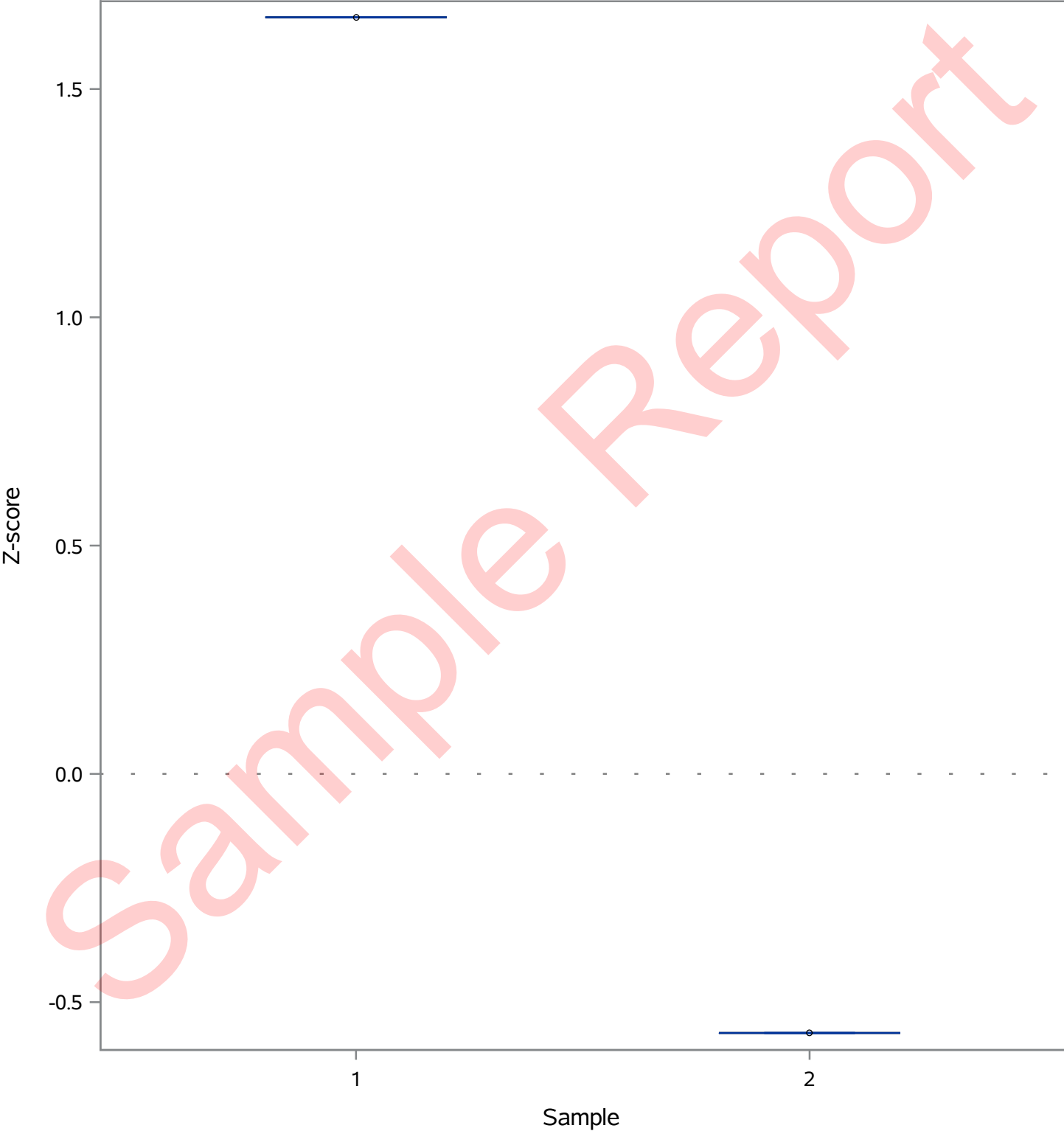
Site = 161162

Nutrient=Fatty Acids Test=g/100g C22:6n3 cis - 4,7,10,13,16,19 – Docosahexaenoic (DHA)



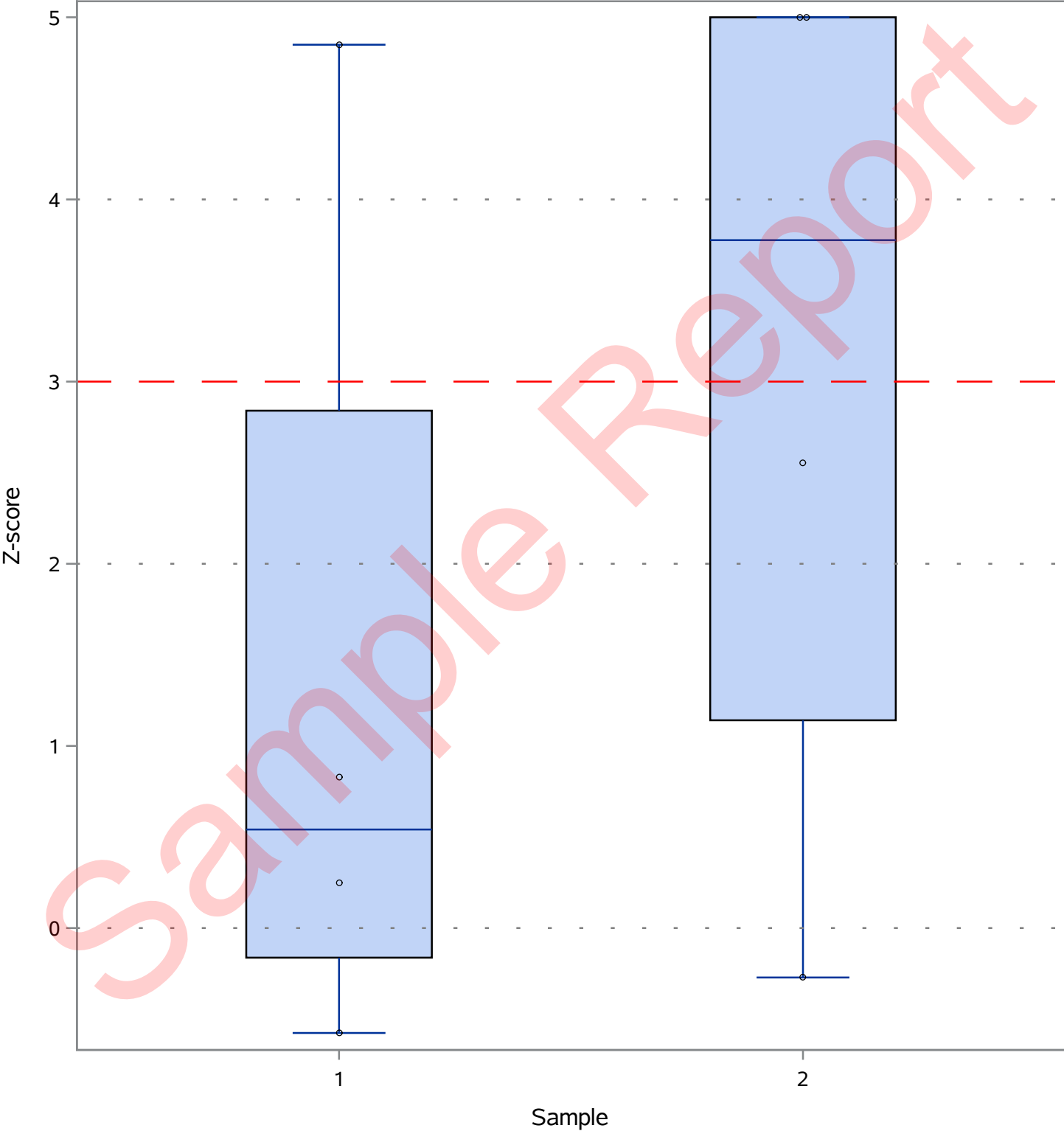
Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Inositol Test=mg/100g myo-inositol



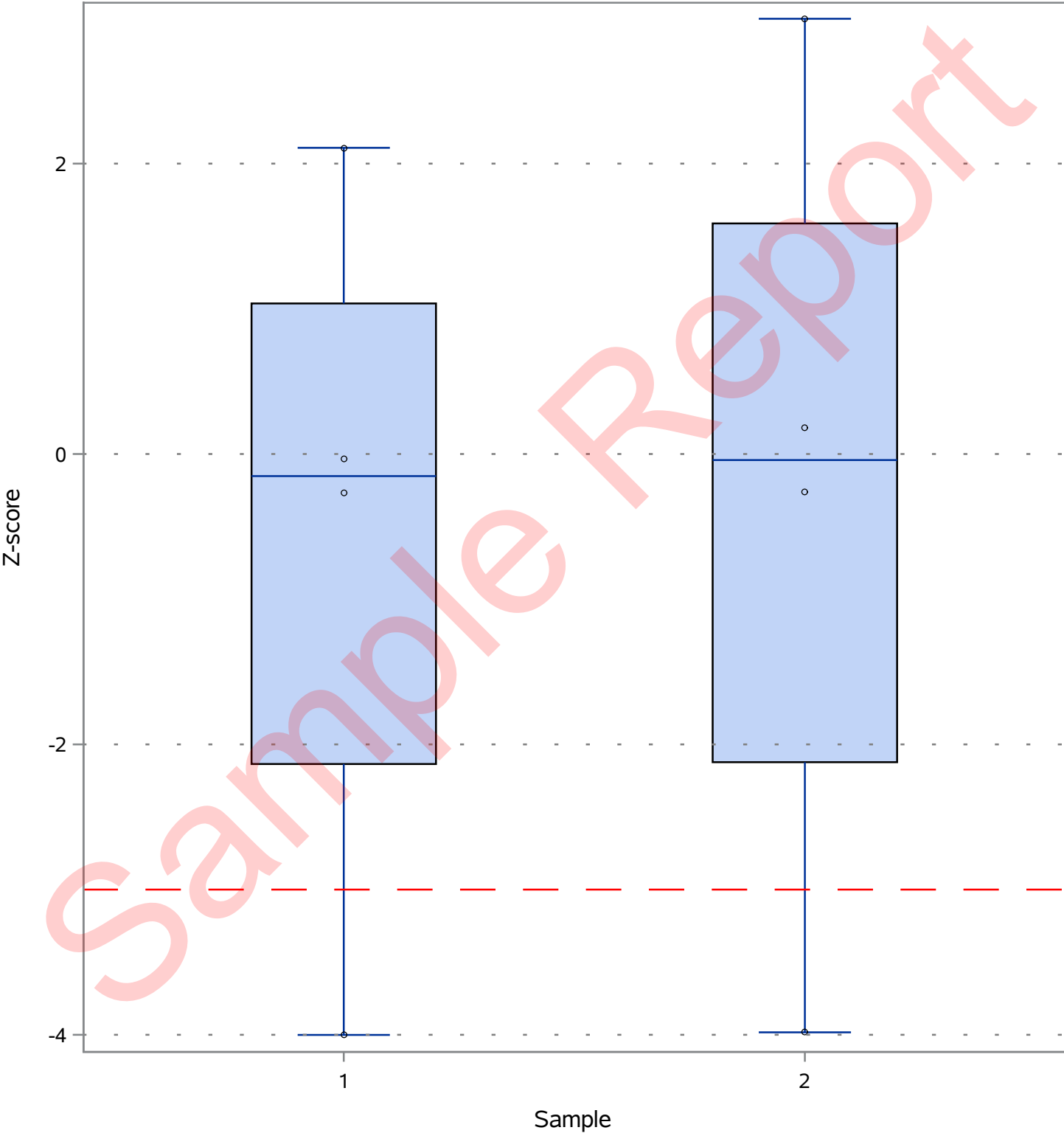
Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Chromium Test=mcg/100g Chromium



Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Molybdenum Test=mcg/100g Molybdenum



Note: Your Result (Red Star) Compared to All Results

Appendix C
IF01 Z-Score Distributions Ship Date: 06/30/2025
Site = 161162
Nutrient=Selenium Test=mcg/100g Selenium



Note: Your Result (Red Star) Compared to All Results