



Laboratory Proficiency Testing Program

P01 Report Pesticide Residues in Fruits & Vegetables Program

10-07-2025 (Shipment Date)

12-04-2025 (Final Report Issue Date)

Sample Set #78

Round ID: P01-100725



CERT # 1782.01

Proficiency Testing Provider

AOAC INTERNATIONAL
Shane Flynn,
Senior Director
2275 Research Blvd. ste 300
Rockville, MD 20850
301-924-7077
LPTP@AOAC.org

Table of Contents

- 1.0 Introduction**
- 2.0 Preparation of Test Materials**
- 3.0 Analyses Requested**
- 4.0 Evaluations**
 - 4.1 Calculation and Interpretation of z-scores**
- 5.0 Results**
 - 5.1 General Discussion of Results**
 - 5.2 Comments and Recommendations**
 - 5.3 Discussion of Data Plots**

Appendix A- Participating Laboratory's Results

Appendix B- Additional Residues

Appendix C- Table of All Reported Results and z-scores

Appendix D- Data Plots for Participating Laboratory

Appendix E- Instructions for Analysis

Appendix F- Homogeneity Report

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 PROGRAMSM**

PESTICIDE RESIDUES IN FRUITS & VEGETABLES PROGRAM

1.0 Introduction

Test materials for the Pesticide Residues in Fruits and Vegetables Program were shipped to participants and three reference laboratories on October 7, 2025. Each subscriber laboratory was given a site identification number in order to maintain confidentiality. An instruction packet on how to use the confidential on-line data submission system was provided electronically. The participants were to submit an electronic response on-line to verify the condition of the test materials upon receipt and to indicate which pesticide residues they analyze for. Participants were also instructed to report methods and results electronically. Participants were instructed to analyze the test materials according to procedures routinely used in their laboratories. The results were to be submitted to AOAC no later than 30 days after the receipt of samples in satisfactory condition. Results were to be submitted by November 6, 2025.

Appendix A now includes acceptable ranges, and color coded evaluations for each spiked residue. Appendix B includes color coded evaluations for each non-spiked residue.

2.0 Preparation of Test Materials

Each set of test materials consisted of three samples, each containing 100 grams of frozen peach mixture. One blank, for determining incurred pesticide residues, and two spiked samples were included in the shipment. Fresh produce was purchased at a local grocery store and prepared according to current SOPs for the matrix selected. The commodity was chopped with dry ice in a 40-quart Robo-Coupe chopper and mixed well to ensure homogeneity. The dry ice was allowed to sublime by storing, at least overnight, in a -40°C freezer. Participants that reported incurred residues should reference Appendix B. Upon completion of the incurred residue analysis, the frozen produce was weighed into 100 gram portions. Spiking solutions were prepared from certified standards dissolved in acetone. Each sample was individually spiked. Spiked samples were stored in clean labeled glass jars with Teflon lined lids at -80 °C.

Four replicate samples were randomly selected to verify the presence and level of the spike (Appendix F). The requirements of Section 7.3 of ISO/IEC 17043:2023(E) Conformity Assessment - General requirements for proficiency testing schemes were met for all samples used for evaluation. Samples were prepared by the following laboratory:

Quality Assurance Unit
Center for Analytical Chemistry
California Dept. of Food & Agriculture
3292 Meadowview Road
Sacramento, CA 95832

3.0 Analyses Requested

Sample 1 (Blank) was to be used to determine incurred pesticide residues. Samples 2 & 3 were to be analyzed for all pesticide residues below that are relevant to the participating laboratory. Results should only be reported for the pesticide residues listed below. Other pesticide residues may have been present, but should not have been reported.

Pesticide Residue	CAS#
Acetamiprid	135410-20-7
Aldicarb	116-06-3
Aldicarb sulfoxide	1646-87-3
Aldoxycarb	1646-88-4
Azinphos ethyl	2642-71-9
Azinphos methyl	86-50-0
Azoxystrobin	131860-33-88
BHC (HCH) - Total	608-73-1
Boscalid	188425-85-6
Carbaryl	63-25-2
Carbofuran	1563-66-2
Chlorpropham (CIPC)	101-21-3
Chlorpyrifos	2921-88-2
Clothianidin	210880-92-5
Cypermethrin	52315-07-8
Cyprodinil	121552-61-2
DCPA (Dacthal)	1861-32-1
DDE p p	72-55-9
DDT p p	50-29-3
Diazinon	333-41-5
Dichloran	99-30-9
Dieldrin	60-57-1
Dimethoate	60-51-5
Dinotefuran	165252-70-0
Diphenylamine	122-39-4
Endosulfan II	33213-65-9
Endosulfan I	959-98-8
Endosulfan sulfate	1031-07-8
Ethion	563-12-2

Pesticide Residue	CAS#
Fenbuconazole	114369-43-6
Fenvalerate-Total	51630-58-1
Fludioxonil	131341-86-1
Imidacloprid	138261-41-3
Iprodione	36734-19-7
Malathion	121-75-5
Methamidophos	10265-92-6
Methidathion	950-37-8
Methoxyfenozide	161050-58-4
Myclobutanil	88671-89-0
Omethoate	1113-02-6
Oxamyl	23135-22-0
Parathion methyl	298-00-0
Permethrin - total	52645-53-1
Phorate sulfone	2588-04-7
Phosmet	732-11-6
Pirimiphos methyl	29232-93-7
Propiconazole	60207-90-1
Propoxur	114-26-1
Pyraclostrobin	175013-18-0
Pyrimethanil	53112-28-0
Spinosad-Total	131929-60-7 (Spinosyn A) & 131929-63-0 (Spinosyn D)
Tebufozide	112410-23-8
Thiamethoxam	153719-23-4
Trifloxystrobin	141517-21-7
Quintozene	82-68-8
Vinclozolin	50471-44-8

The participants had the option of marking the analysis as “Not Tested” for any pesticide not routinely tested by their laboratory. This designation was submitted to AOAC. Information on the method used for each analyses was requested.

4.0 Evaluations

Laboratories should determine performance based on the z-scores provided, the acceptable range (assigned value ± 3 standard deviations), and the overall results provided in the Evaluation column. If a laboratory's reported result is within the acceptable range, then the result is ACCEPTABLE as this indicates the reported value resulted in a z-score that was < 2 . If the resulting z-score is > 3 the result is UNACCEPTABLE. A WARNING is still within the Acceptable Range but it reflects a result and z-score on the outer edge of acceptability (z-score $\pm 2 - 3$ standard deviations).

4.1 Calculation and Interpretation of z-scores:

The robust procedure from ISO 13528:2022(E), Statistical methods for use in proficiency testing by interlaboratory comparisons is used in processing the result data. Robust statistics relies on medians rather than means and uses more information from the central than from the outlying observations. The iterative process within the robust procedure from ISO 13528:2023 is used and focuses in on stable estimates of medians and standard deviations. This approach is being used to minimize the effect of extreme results on the calculation of z-scores. There are two types of extreme results: "Blunders" and "Outliers". Blunder results were likely due to errors, such as transcription errors, incorrect sample identification, or a major problem performing the analysis. Blunders for these results are defined as results that differ from the spiked concentration by a factor greater than 2. These results have been labeled as "pre-screened as an outlier."

The assigned value was determined by the consensus of the majority after the removal of outliers by the robust procedure. The iterative process within the robust procedure from ISO 13528:2023 is used and focuses in on stable estimates of medians and standard deviations. Outlier results have been labeled "Outlier: $|Z| > 3$ ". The assigned value, standard deviation, and the z-scores were recalculated without the outliers. The blunder results and outlier results were still evaluated within the proficiency scheme and given the appropriate performance rating. Measurement uncertainty (standard uncertainty of the assigned value) has also been provided.

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

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

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

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 following interpretation of z-scores for each individual test result is provided in ISO/IEC 17043:2023(E). Conformity Assessment as 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).

Results

5.1 General Discussion of Results

[illegible][illegible]

Participating laboratories were instructed to report results in parts per million (PPM). The stability of the XSoS ΨΣÚ ÛÛÓ Û'Í\$ ΣΜΣΟΩΠΩΔ ÌΩΓPblá\$ ΔΩ Û'Í\$ ΣΜΣΟΩΠΩΔ σΓΨΜΡ\$ Χ'Í\$Ω Û'Í\$ ο\$σπΠóσ ÛòÙΨ ÌÚ Ρ\$Ìσú ÙΧÙ ÛÎÙ ÛÚ Û'Í\$ Û'Ιο\$Σ ο\$ÛÓσ\$ΩΔÕ\$ ΡÌðÖòÌÙÙòΔ\$σ Ìò\$ ΧΔÚ'ΙΔΩ σùÌΩ\$Ìò\$ \$ΣΦηÌÙÙò\$σ ÛÚ Û'Í\$ Ûìò'\$ς ÒßÒΔ\$ΔÚòÌÙÙò Ûò ÛÚ òΩΡbl ÙΧÙ ÛÚ Û'Í\$ Û'Ιο\$Σ ο\$ÛÓσ\$ΩΔÕ\$ ΡÌðÖòÌÙÙòΔ\$σ ÌΩΓPblá\$ Ûòò Ì ΣΜΣΟΩΠΩΔ ο\$σπΠí\$ Û'Í\$Ω δÛÚ'Ι ÛÚ ο\$ÛÓσ\$ΩΔÕ\$ ΡÌðÖòÌÙÙòΔ\$σ ΨΙσú δ\$ ΧΔÚ'ΙΔΩ σùÌΩ\$Ìò\$ \$ΣΦηÌÙÙò\$σ ÛÚ Û'Í\$ Ûìò'\$ς ÒßÒΔ\$ΔÚòÌÙÙò ÿ σÖÜò\$ Χ\$ò\$ ÕΓΡÖΠΓPÚ\$Σ Ûòò Û'Í\$ ÛÜΡΡÜΧΔΩ μ\$σúòΔ\$Σσ { BCH (HCH) - Total, S2 Carbaryl { DCPA { Pirimiphos methyl { Quintozene { 3 Boscalid { DDE p p S3 Dimethoate, { Endosulfan I { Methoxyfenozide, and S3 Pirimiphos methyl.

Fludioxonil was an incurred residue and not spiked into any of the samples but was detected by several laboratories in Samples 1 (blank), 2, and 3. Additionally, one participating laboratory detected Dichloran in Sample 2, even though this residue was not spiked into any sample and was not detected by any other laboratory.

The limit of detection for this program is currently set at 0.0100 parts per million. If a participating laboratory received a Not-Detected (ND), it is up to that laboratory to evaluate the result based on its own limit of quantification.

[illegible]

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.

Individual laboratory results are in Appendix A

5.2 Comments and Recommendations

Participating laboratories generally performed well. Two of the sixteen laboratories that indicated they test for Carbaryl did not detect the pesticide residue in Sample 2. One laboratory reported that they test for DCPA but did not detect the residue in Sample 2. In addition, one laboratory reported that they test for Quintozene and did not detect it in Sample 2; this same laboratory also tested for Boscalid and did not detect the residue in Sample 3. Another laboratory did not detect DDE p,p' in Sample 3.

If participants have questions on reporting, please contact PT Staff by sending an email to LPTP@AOAC.org, before officially submitting final results. Once a lab has officially submitted results, no changes can be made.

5.3 Discussion of Data Plots

Distribution of Results Plots

The distribution of results plots provides information on the distribution of results for each compound. The plots illustrate the results of all the participant laboratories versus the reference laboratories versus the targeted value. Some of the plots include the statement "reference labs are indicated by squares", and there are no squares on the plot. If the reference laboratories did not test for a specific analyte, their representative squares are not indicated on the plots, even though they are mentioned in the legends. At the advice of an expert in statistical graphics and design of data visualization, changes have been made to improve the plots. Data from the Subscribing Laboratories is displayed as individual data points with no connecting line. The target value is displayed with a dashed horizontal reference line. Reference labs are indicated by squares. If a component was included in the analysis by a laboratory, but none was detected, it is represented on the graph as 0.0100 ppm. If a laboratory marked a compound as "not tested," it was not included on the graph. The key to the graph identifies each line. Only data that fell within a z- score value of + 5 have been included in the graphs. As AOAC® continues to improve its reporting format, changes may occur.

P01 - Pesticide Residues in Fruits and Vegetables SPIKED PESTICIDES (ug/g (ppm))

Ship Date = 10/07/2025

Site=95893

Test	Sample	Number of reported results	Reported result	Acceptable Range	Min result	Mean result	Median result	Max result	Participant SD	Assigned value	Std dev	Median of Ref Labs	Z-score	Evaluation	Standard uncertainty of the assigned value	Notes
BHC (HCH) - Total	2	15	0.0970	(0.03126 - 0.14198)	0.0630	0.0867	0.0853	0.1160	0.0165	0.0866	0.0185	0.0809	0.56	ACCEPTABLE	0.006	
Carbaryl	2	16	0.2130	(0.09598 - 0.34982)	0.0300	0.2195	0.2287	0.3580	0.0699	0.2229	0.0423	0.2380	-0.23	ACCEPTABLE	0.013	
DCPA	2	15	0.0550	(0.02243 - 0.08148)	0.0100	0.0502	0.0538	0.0680	0.0136	0.0520	0.0098	0.0541	0.31	ACCEPTABLE	0.003	
Pirimiphos methyl	2	14	0.0910	(0.02626 - 0.13708)	0.0569	0.0819	0.0859	0.1120	0.0166	0.0817	0.0185	0.0943	0.51	ACCEPTABLE	0.006	
Quintozone	2	14	0.0290	(0.00842 - 0.04234)	0.0100	0.0245	0.0261	0.0320	0.0068	0.0254	0.0057	0.0295	0.64	ACCEPTABLE	0.002	
Boscalid	3	17	0.0480	(0.00161 - 0.07891)	0.0100	0.0392	0.0410	0.0653	0.0150	0.0403	0.0129	0.0503	0.60	ACCEPTABLE	0.004	
DDE p p	3	17	0.0340	(0.01821 - 0.04593)	0.0050	0.0315	0.0328	0.0530	0.0095	0.0321	0.0046	0.0311	0.42	ACCEPTABLE	0.001	
Dimethoate	3	15	0.0990	(0.04495 - 0.11574)	0.0560	0.0818	0.0790	0.1220	0.0155	0.0803	0.0118	0.0780	1.58	ACCEPTABLE	0.004	
Endosulfan I	3	16	0.1370	(0.07407 - 0.20435)	0.0900	0.1402	0.1400	0.2160	0.0291	0.1392	0.0217	0.1530	-0.10	ACCEPTABLE	0.007	
Methoxyfenozide	3	14	0.0250	(0.00659 - 0.04319)	0.0100	0.0257	0.0245	0.0420	0.0083	0.0249	0.0061	0.0249	0.02	ACCEPTABLE	0.002	
Pirimiphos methyl	3	14	0.0900	(0.03419 - 0.13178)	0.0510	0.0829	0.0851	0.1150	0.0166	0.0830	0.0163	0.0956	0.43	ACCEPTABLE	0.005	

The following interpretation of z-scores for each individual test result is provided in ISO/IEC 17043:2023(E):

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)**

Appendix B

11/26/2025 12:08:59 PM

P01 - Additional Pesticide Residues NON-SPIKED PESTICIDES (ug/g (ppm))

Ship Date = 10/07/2025

Sample	Pesticide Residue	Modifier Reported by 95893	Value Reported by 95893 (ppm)	Evaluation
1 (Blank)	Acetamiprid	ND	None	ACCEPTABLE
1 (Blank)	Aldicarb	ND	None	ACCEPTABLE
1 (Blank)	Aldicarb sulfoxide	ND	None	ACCEPTABLE
1 (Blank)	Azinphos ethyl		None	NOT TESTED
1 (Blank)	Azinphos methyl	ND	None	ACCEPTABLE
1 (Blank)	Azoxystrobin	ND	None	ACCEPTABLE
1 (Blank)	Boscalid	ND	None	ACCEPTABLE
1 (Blank)	Carbaryl	ND	None	ACCEPTABLE
1 (Blank)	Carbofuran	ND	None	ACCEPTABLE
1 (Blank)	Chlorpropham (CIPC)	ND	None	ACCEPTABLE
1 (Blank)	Chlorpyrifos	ND	None	ACCEPTABLE
1 (Blank)	Clothianidin	ND	None	ACCEPTABLE
1 (Blank)	Cypermethrin	ND	None	ACCEPTABLE
1 (Blank)	Cyprodinil	ND	None	ACCEPTABLE
1 (Blank)	DDE p p	ND	None	ACCEPTABLE

Appendix B

11/26/2025 12:08:59 PM

P01 - Additional Pesticide Residues NON-SPIKED PESTICIDES (ug/g (ppm))

Ship Date = 10/07/2025

Sample	Pesticide Residue	Modifier Reported by 95893	Value Reported by 95893 (ppm)	Evaluation
1 (Blank)	DDT p p	ND	None	ACCEPTABLE
1 (Blank)	Diazinon	ND	None	ACCEPTABLE
1 (Blank)	Dieldrin	ND	None	ACCEPTABLE
1 (Blank)	Dimethoate	ND	None	ACCEPTABLE
1 (Blank)	Diphenylamine	ND	None	ACCEPTABLE
1 (Blank)	Endosulfan sulfate	ND	None	ACCEPTABLE
1 (Blank)	Ethion	ND	None	ACCEPTABLE
1 (Blank)	Fenbuconazole	ND	None	ACCEPTABLE
1 (Blank)	Fenvalerate-Total	ND	None	ACCEPTABLE
1 (Blank)	Fludioxonil		0.0140	ACCEPTABLE
1 (Blank)	Imidacloprid	ND	None	ACCEPTABLE
1 (Blank)	Iprodione	ND	None	ACCEPTABLE
1 (Blank)	Malathion	ND	None	ACCEPTABLE
1 (Blank)	Methamidophos	ND	None	ACCEPTABLE
1 (Blank)	Methidathion	ND	None	ACCEPTABLE

Appendix B

11/26/2025 12:08:59 PM

P01 - Additional Pesticide Residues NON-SPIKED PESTICIDES (ug/g (ppm))

Ship Date = 10/07/2025

Sample	Pesticide Residue	Modifier Reported by 95893	Value Reported by 95893 (ppm)	Evaluation
1 (Blank)	Myclobutanil	ND	None	ACCEPTABLE
1 (Blank)	Omethoate	ND	None	ACCEPTABLE
1 (Blank)	Oxamyl	ND	None	ACCEPTABLE
1 (Blank)	Parathion methyl	ND	None	ACCEPTABLE
1 (Blank)	Permethrin - total	ND	None	ACCEPTABLE
1 (Blank)	Phorate	ND	None	ACCEPTABLE
1 (Blank)	Phorate sulfone	ND	None	ACCEPTABLE
1 (Blank)	Phosmet	ND	None	ACCEPTABLE
1 (Blank)	Pirimiphos methyl	ND	None	ACCEPTABLE
1 (Blank)	Propiconazole	ND	None	ACCEPTABLE
1 (Blank)	Propoxur	ND	None	ACCEPTABLE
1 (Blank)	Pyraclostrobin	ND	None	ACCEPTABLE
1 (Blank)	Pyrimethanil	ND	None	ACCEPTABLE
1 (Blank)	Quintozene	ND	None	ACCEPTABLE
1 (Blank)	Thiamethoxam	ND	None	ACCEPTABLE

Appendix B

11/26/2025 12:08:59 PM

P01 - Additional Pesticide Residues NON-SPIKED PESTICIDES (ug/g (ppm))

Ship Date = 10/07/2025

Sample	Pesticide Residue	Modifier Reported by 95893	Value Reported by 95893 (ppm)	Evaluation
1 (Blank)	Trifloxystrobin	ND	None	ACCEPTABLE
1 (Blank)	Vinclozolin	ND	None	ACCEPTABLE
2	Acetamiprid	ND	None	ACCEPTABLE
2	Aldicarb	ND	None	ACCEPTABLE
2	Aldicarb sulfoxide	ND	None	ACCEPTABLE
2	Azinphos ethyl		None	NOT TESTED
2	Azinphos methyl	ND	None	ACCEPTABLE
2	Azoxystrobin	ND	None	ACCEPTABLE
2	Boscalid	ND	None	ACCEPTABLE
2	Carbofuran	ND	None	ACCEPTABLE
2	Chlorpropham (CIPC)	ND	None	ACCEPTABLE
2	Chlorpyrifos	ND	None	ACCEPTABLE
2	Clothianidin	ND	None	ACCEPTABLE
2	Cypermethrin	ND	None	ACCEPTABLE
2	Cyprodinil	ND	None	ACCEPTABLE

Appendix B

11/26/2025 12:08:59 PM

P01 - Additional Pesticide Residues NON-SPIKED PESTICIDES (ug/g (ppm))

Ship Date = 10/07/2025

Sample	Pesticide Residue	Modifier Reported by 95893	Value Reported by 95893 (ppm)	Evaluation
2	DDE p p	ND	None	ACCEPTABLE
2	DDT p p	ND	None	ACCEPTABLE
2	Diazinon	ND	None	ACCEPTABLE
2	Dichloran	ND	None	ACCEPTABLE
2	Dieldrin	ND	None	ACCEPTABLE
2	Dimethoate	ND	None	ACCEPTABLE
2	Dinotefuran	ND	None	ACCEPTABLE
2	Diphenylamine	ND	None	ACCEPTABLE
2	Endosulfan I	ND	None	ACCEPTABLE
2	Endosulfan II	ND	None	ACCEPTABLE
2	Endosulfan sulfate	ND	None	ACCEPTABLE
2	Ethion	ND	None	ACCEPTABLE
2	Fenbuconazole	ND	None	ACCEPTABLE
2	Fenvalerate-Total	ND	None	ACCEPTABLE
2	Fludioxonil	ND	None	ACCEPTABLE

Appendix B

11/26/2025 12:08:59 PM

P01 - Additional Pesticide Residues NON-SPIKED PESTICIDES (ug/g (ppm))

Ship Date = 10/07/2025

Sample	Pesticide Residue	Modifier Reported by 95893	Value Reported by 95893 (ppm)	Evaluation
2	Imidacloprid	ND	None	ACCEPTABLE
2	Iprodione	ND	None	ACCEPTABLE
2	Malathion	ND	None	ACCEPTABLE
2	Methamidophos	ND	None	ACCEPTABLE
2	Methidathion	ND	None	ACCEPTABLE
2	Methoxyfenozide	ND	None	ACCEPTABLE
2	Myclobutanil	ND	None	ACCEPTABLE
2	Omethoate	ND	None	ACCEPTABLE
2	Oxamyl	ND	None	ACCEPTABLE
2	Parathion methyl	ND	None	ACCEPTABLE
2	Permethrin - total	ND	None	ACCEPTABLE
2	Phorate	ND	None	ACCEPTABLE
2	Phorate sulfone	ND	None	ACCEPTABLE
2	Phosmet	ND	None	ACCEPTABLE
2	Propiconazole	ND	None	ACCEPTABLE

Appendix B

11/26/2025 12:08:59 PM

P01 - Additional Pesticide Residues NON-SPIKED PESTICIDES (ug/g (ppm))

Ship Date = 10/07/2025

Sample	Pesticide Residue	Modifier Reported by 95893	Value Reported by 95893 (ppm)	Evaluation
2	Propoxur	ND	None	ACCEPTABLE
2	Pyraclostrobin	ND	None	ACCEPTABLE
2	Pyrimethanil	ND	None	ACCEPTABLE
2	Spinosad	ND	None	ACCEPTABLE
2	Tebufozide	ND	None	ACCEPTABLE
2	Thiamethoxam	ND	None	ACCEPTABLE
2	Trifloxystrobin	ND	None	ACCEPTABLE
2	Vinclozolin	ND	None	ACCEPTABLE
3	Acetamiprid	ND	None	ACCEPTABLE
3	Aldicarb	ND	None	ACCEPTABLE
3	Aldicarb sulfoxide	ND	None	ACCEPTABLE
3	Azinphos ethyl		None	NOT TESTED
3	Azinphos methyl	ND	None	ACCEPTABLE
3	Azoxystrobin	ND	None	ACCEPTABLE
3	Carbaryl	ND	None	ACCEPTABLE

Appendix B

11/26/2025 12:08:59 PM

P01 - Additional Pesticide Residues NON-SPIKED PESTICIDES (ug/g (ppm))

Ship Date = 10/07/2025

Sample	Pesticide Residue	Modifier Reported by 95893	Value Reported by 95893 (ppm)	Evaluation
3	Carbofuran	ND	None	ACCEPTABLE
3	Chlorpropham (CIPC)	ND	None	ACCEPTABLE
3	Chlorpyrifos	ND	None	ACCEPTABLE
3	Clothianidin	ND	None	ACCEPTABLE
3	Cypermethrin	ND	None	ACCEPTABLE
3	Cyprodinil	ND	None	ACCEPTABLE
3	DCPA	ND	None	ACCEPTABLE
3	DDT p p	ND	None	ACCEPTABLE
3	Diazinon	ND	None	ACCEPTABLE
3	Dichloran	ND	None	ACCEPTABLE
3	Dieldrin	ND	None	ACCEPTABLE
3	Dinotefuran	ND	None	ACCEPTABLE
3	Diphenylamine	ND	None	ACCEPTABLE
3	Endosulfan II	ND	None	ACCEPTABLE
3	Endosulfan sulfate	ND	None	ACCEPTABLE

Appendix B

11/26/2025 12:08:59 PM

P01 - Additional Pesticide Residues NON-SPIKED PESTICIDES (ug/g (ppm))

Ship Date = 10/07/2025

Sample	Pesticide Residue	Modifier Reported by 95893	Value Reported by 95893 (ppm)	Evaluation
3	Ethion	ND	None	ACCEPTABLE
3	Fenbuconazole	ND	None	ACCEPTABLE
3	Fenvalerate-Total	ND	None	ACCEPTABLE
3	Fludioxonil	ND	None	ACCEPTABLE
3	Imidacloprid	ND	None	ACCEPTABLE
3	Iprodione	ND	None	ACCEPTABLE
3	Malathion	ND	None	ACCEPTABLE
3	Methamidophos	ND	None	ACCEPTABLE
3	Methidathion	ND	None	ACCEPTABLE
3	Myclobutanil	ND	None	ACCEPTABLE
3	Omethoate	ND	None	ACCEPTABLE
3	Oxamyl	ND	None	ACCEPTABLE
3	Parathion methyl	ND	None	ACCEPTABLE
3	Permethrin - total	ND	None	ACCEPTABLE
3	Phorate	ND	None	ACCEPTABLE

Appendix B

11/26/2025 12:08:59 PM

P01 - Additional Pesticide Residues NON-SPIKED PESTICIDES (ug/g (ppm))

Ship Date = 10/07/2025

Sample	Pesticide Residue	Modifier Reported by 95893	Value Reported by 95893 (ppm)	Evaluation
3	Phorate sulfone	ND	None	ACCEPTABLE
3	Phosmet	ND	None	ACCEPTABLE
3	Propiconazole	ND	None	ACCEPTABLE
3	Propoxur	ND	None	ACCEPTABLE
3	Pyraclostrobin	ND	None	ACCEPTABLE
3	Pyrimethanil	ND	None	ACCEPTABLE
3	Quintozene	ND	None	ACCEPTABLE
3	Spinosad	ND	None	ACCEPTABLE
3	Tebufozide	ND	None	ACCEPTABLE
3	Thiamethoxam	ND	None	ACCEPTABLE
3	Trifloxystrobin	ND	None	ACCEPTABLE
3	Vinclozolin	ND	None	ACCEPTABLE

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Display of All Reported Results and z-Scores SPIKED PESTICIDES (When Applicable)

Ship Date = 10/07/2025

Sample=2 Test=BHC (HCH) - Total

Method	Participating Laboratories Reported Result (ppm)	Participating Laboratories z-Score	Reference Laboratories Reported Result (ppm)	Reference Laboratories z-Score	Standard uncertainty of the assigned value
PMR-001	.	.	0.0710	-0.8465	0.0060
CDFA MRS-QuECHERS based	.	.	0.0809	-0.3100	0.0060
No Method Provided	.	.	0.0940	0.3999	0.0060
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
CFIA LCMSMS GCMSMS	Not Tested	.	.	.	.
Waters Corp, 2019 (Oregon Cannabis Pest Method)	0.0630	-1.2800	.	.	0.0060
CFIA PMR-016	0.0680	-1.0091	.	.	0.0060
Mod. AOAC 2007	0.0700	-0.9007	.	.	0.0060
GC-MS/MS	0.0745	-0.6568	.	.	0.0060
TM-013	0.0764	-0.5538	.	.	0.0060
GC-MS/MS	0.0853	-0.0715	.	.	0.0060
AOAC 2007.1 GCMS	0.0909	0.2319	.	.	0.0060
SOP 000500	0.0970	0.5625	.	.	0.0060
Harmonized FDA	0.0990	0.6709	.	.	0.0060
FDA Harmonized Pesticide Method	0.1040	0.9419	.	.	0.0060
Aoac 2007.1	0.1110	1.3212	.	.	0.0060
AOAC 2007.01 w/ GCMSMS	0.1160	1.5922	.	.	0.0060

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Display of All Reported Results and z-Scores SPIKED PESTICIDES (When Applicable)

Ship Date = 10/07/2025

Sample=2 Test=Carbaryl

Method	Participating Laboratories Reported Result (ppm)	Participating Laboratories z-Score	Reference Laboratories Reported Result (ppm)	Reference Laboratories z-Score	Standard uncertainty of the assigned value
CDFA MRS-QuECHERS based	.	.	0.2284	0.1300	0.0132
No Method Provided	.	.	0.2380	0.3569	0.0132
PMR-025	.	.	0.2500	0.6406	0.0132
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
CFIA LCMSMS GCMSMS	0.0300	.	.	.	.
AOAC 2007.01 w/ LCMSMS	0.1690	-1.2740	.	.	0.0132
Waters Corp, 2019 (Oregon Cannabis Pest Method)	0.1725	-1.1912	.	.	0.0132
AOAC 2007.1 LCMSMS	0.1750	-1.1322	.	.	0.0132
TM-013	0.2000	-0.5413	.	.	0.0132
SOP 000500	0.2130	-0.2340	.	.	0.0132
Harmonized FDA	0.2130	-0.2340	.	.	0.0132
FDA Harmonized Pesticide Method	0.2290	0.1442	.	.	0.0132
GC-MS/MS	0.2320	0.2151	.	.	0.0132
EN15662/CFIA PMR-006	0.2380	0.3569	.	.	0.0132
LC-MS/MS	0.2621	0.9266	.	.	0.0132
Aoac 2007.1	0.3040	1.9169	.	.	0.0132
CFIA PMR-016	0.3580	3.1933	.	.	0.0132

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Display of All Reported Results and z-Scores SPIKED PESTICIDES (When Applicable)

Ship Date = 10/07/2025

Sample=2 Test=DCPA

Method	Participating Laboratories Reported Result (ppm)	Participating Laboratories z-Score	Reference Laboratories Reported Result (ppm)	Reference Laboratories z-Score	Standard uncertainty of the assigned value
PMR-001	.	.	0.0500	-0.1985	0.0032
CDFA MRS-QuECHERS based	.	.	0.0541	0.2181	0.0032
No Method Provided	.	.	0.0610	0.9192	0.0032
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
Not Detected	.	.	.	.	.
Waters Corp, 2019 (Oregon Cannabis Pest Method)	0.0410	-1.1130	.	.	0.0032
Mod. AOAC 2007	0.0430	-0.9097	.	.	0.0032
GC-MS/MS	0.0439	-0.8183	.	.	0.0032
TM-013	0.0463	-0.5744	.	.	0.0032
CFIA LCMSMS GCMSMS	0.0467	-0.5338	.	.	0.0032
GC-MS/MS	0.0538	0.1876	.	.	0.0032
SOP 000500	0.0550	0.3096	.	.	0.0032
CFIA PMR-016	0.0570	0.5128	.	.	0.0032
FDA Harmonized Pesticide Method	0.0610	0.9192	.	.	0.0032
Harmonized FDA	0.0620	1.0208	.	.	0.0032
Aoac 2007.1	0.0680	1.6305	.	.	0.0032

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Display of All Reported Results and z-Scores SPIKED PESTICIDES (When Applicable)

Ship Date = 10/07/2025

Sample=2 Test=Pirimiphos methyl

Method	Participating Laboratories Reported Result (ppm)	Participating Laboratories z-Score	Reference Laboratories Reported Result (ppm)	Reference Laboratories z-Score	Standard uncertainty of the assigned value
PMR-001	.	.	0.0690	-0.6858	0.0062
No Method Provided	.	.	0.0943	0.6840	0.0062
CDFA MRS-QuEACHERs based	.	.	0.1002	1.0035	0.0062
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
GC-MS/MS	0.0569	-1.3409	.	.	0.0062
EN15662/CFIA PMR-006	0.0610	-1.1189	.	.	0.0062
Waters Corp, 2019 (Oregon Cannabis Pest Method)	0.0660	-0.8482	.	.	0.0062
AOAC 2007.01 w/ GCMSMS	0.0660	-0.8482	.	.	0.0062
CFIA LCMSMS GCMSMS	0.0718	-0.5369	.	.	0.0062
LC-MS/MS & GC-MS/MS	0.0858	0.2238	.	.	0.0062
CFIA PMR-016	0.0860	0.2347	.	.	0.0062
SOP 000500	0.0910	0.5054	.	.	0.0062
Harmonized FDA	0.0910	0.5054	.	.	0.0062
FDA Harmonized Pesticide Method	0.0950	0.7219	.	.	0.0062
Aoac 2007.1	0.1120	1.6424	.	.	0.0062

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Display of All Reported Results and z-Scores SPIKED PESTICIDES (When Applicable)

Ship Date = 10/07/2025

Sample=2 Test=Quintozene

Method	Participating Laboratories Reported Result (ppm)	Participating Laboratories z-Score	Reference Laboratories Reported Result (ppm)	Reference Laboratories z-Score	Standard uncertainty of the assigned value
PMR-001	.	.	0.0250	-0.0670	0.0019
CDFA MRS-QuEACHERs based	.	.	0.0295	0.7290	0.0019
No Method Provided	.	.	0.0300	0.8174	0.0019
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
Not Detected	.	.	.	.	.
EN15662/CFIA PMR-006	0.0120	-2.3665	.	.	0.0019
GC-MS/MS	0.0202	-0.9160	.	.	0.0019
Waters Corp, 2019 (Oregon Cannabis Pest Method)	0.0220	-0.5977	.	.	0.0019
CFIA PMR-016	0.0220	-0.5977	.	.	0.0019
AOAC 2007.01 w/ GCMSMS	0.0250	-0.0670	.	.	0.0019
CFIA LCMSMS GCMSMS	0.0271	0.3044	.	.	0.0019
GC-MS/MS	0.0282	0.4990	.	.	0.0019
SOP 000500	0.0290	0.6405	.	.	0.0019
Harmonized FDA	0.0310	0.9943	.	.	0.0019
FDA Harmonized Pesticide Method	0.0320	1.1712	.	.	0.0019

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Display of All Reported Results and z-Scores SPIKED PESTICIDES (When Applicable)

Ship Date = 10/07/2025

Sample=3 Test=Boscalid

Method	Participating Laboratories Reported Result (ppm)	Participating Laboratories z-Score	Reference Laboratories Reported Result (ppm)	Reference Laboratories z-Score	Standard uncertainty of the assigned value
CDFA MRS-QuEACHERs based	.	.	0.0476	0.5698	0.0039
No Method Provided	.	.	0.0503	0.7794	0.0039
PMR-025	.	.	0.0600	1.5324	0.0039
	Not Tested	.	.	.	.
CFIA LCMSMS GCMSMS	Not Detected	.	.	.	.
	Not Detected	.	.	.	.
CFIA PMR-016	0.0270	-1.0292	.	.	0.0039
Mod. AOAC 2007	0.0310	-0.7187	.	.	0.0039
AOAC 2007.1 LCMSMS	0.0317	-0.6644	.	.	0.0039
EN15662/CFIA PMR-006	0.0330	-0.5634	.	.	0.0039
Waters Corp, 2019 (Oregon Cannabis Pest Method)	0.0330	-0.5634	.	.	0.0039
LC-MS/MS	0.0379	-0.1831	.	.	0.0039
AOAC 2007.01 w/ LCMSMS	0.0410	0.0575	.	.	0.0039
GC-MS/MS	0.0439	0.2826	.	.	0.0039
Harmonized FDA	0.0470	0.5233	.	.	0.0039
SOP 000500	0.0480	0.6009	.	.	0.0039
FDA Harmonized Pesticide Method	0.0490	0.6785	.	.	0.0039
TM-013	0.0653	1.9438	.	.	0.0039

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Display of All Reported Results and z-Scores SPIKED PESTICIDES (When Applicable)

Ship Date = 10/07/2025

Sample=3 Test=DDE p p

Method	Participating Laboratories Reported Result (ppm)	Participating Laboratories z-Score	Reference Laboratories Reported Result (ppm)	Reference Laboratories z-Score	Standard uncertainty of the assigned value
PMR-001	.	.	0.0300	-0.4480	0.0014
CDFA MRS-QuECHERS based	.	.	0.0311	-0.2100	0.0014
No Method Provided	.	.	0.0320	-0.0152	0.0014
Not Tested	.	.	.	.	.
EN15662/CFIA PMR-006	0.0050	.	.	.	.
GC-MS/MS	0.0231	-1.9411	.	.	0.0014
GC-MS/MS	0.0271	-1.0756	.	.	0.0014
CFIA LCMSMS GCMSMS	0.0272	-1.0647	.	.	0.0014
Waters Corp, 2019 (Oregon Cannabis Pest Method)	0.0290	-0.6644	.	.	0.0014
TM-013	0.0328	0.1579	.	.	0.0014
AOAC 2007.1 GCMS	0.0329	0.1795	.	.	0.0014
Mod. AOAC 2007	0.0330	0.2011	.	.	0.0014
AOAC 2007.01 w/ GCMSMS	0.0330	0.2011	.	.	0.0014
CFIA PMR-016	0.0340	0.4175	.	.	0.0014
SOP 000500	0.0340	0.4175	.	.	0.0014
Harmonized FDA	0.0380	1.2831	.	.	0.0014
FDA Harmonized Pesticide Method	0.0410	1.9323	.	.	0.0014
Aoac 2007.1	0.0530	4.5290	.	.	0.0014

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Display of All Reported Results and z-Scores SPIKED PESTICIDES (When Applicable)

Ship Date = 10/07/2025

Sample=3 Test=Dimethoate

Method	Participating Laboratories Reported Result (ppm)	Participating Laboratories z-Score	Reference Laboratories Reported Result (ppm)	Reference Laboratories z-Score	Standard uncertainty of the assigned value
CDFA MRS-QuECHERS based	.	.	0.0765	-0.3258	0.0038
PMR-001	.	.	0.0780	-0.1986	0.0038
No Method Provided	.	.	0.0887	0.7083	0.0038
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
CFIA PMR-016	0.0560	-2.0633	.	.	0.0038
AOAC 2007.01 w/ LCMSMS	0.0680	-1.0462	.	.	0.0038
CFIA LCMSMS GCMSMS	0.0695	-0.9233	.	.	0.0038
Waters Corp, 2019 (Oregon Cannabis Pest Method)	0.0730	-0.6224	.	.	0.0038
FDA Harmonized Pesticide Method	0.0750	-0.4529	.	.	0.0038
Harmonized FDA	0.0790	-0.1139	.	.	0.0038
EN15662/CFIA PMR-006	0.0800	-0.0291	.	.	0.0038
GC-MS/MS	0.0808	0.0387	.	.	0.0038
LC-MS/MS	0.0867	0.5388	.	.	0.0038
TM-013	0.0951	1.2507	.	.	0.0038
SOP 000500	0.0990	1.5813	.	.	0.0038
Aoac 2007.1	0.1220	3.5307	.	.	0.0038

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Display of All Reported Results and z-Scores SPIKED PESTICIDES (When Applicable)

Ship Date = 10/07/2025

Sample=3 Test=Endosulfan I

Method	Participating Laboratories Reported Result (ppm)	Participating Laboratories z-Score	Reference Laboratories Reported Result (ppm)	Reference Laboratories z-Score	Standard uncertainty of the assigned value
PMR-001	.	.	0.1250	-0.6545	0.0068
No Method Provided	.	.	0.1530	0.6351	0.0068
CDFA MRS-QuEACHERs based	.	.	0.1642	1.1509	0.0068
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
Mod. AOAC 2007	0.0900	-2.2664	.	.	0.0068
Waters Corp, 2019 (Oregon Cannabis Pest Method)	0.1000	-1.8058	.	.	0.0068
GC-MS/MS	0.1132	-1.1979	.	.	0.0068
GC-MS/MS	0.1260	-0.6084	.	.	0.0068
TM-013	0.1290	-0.4702	.	.	0.0068
CFIA LCMSMS GCMSMS	0.1350	-0.1939	.	.	0.0068
SOP 000500	0.1370	-0.1018	.	.	0.0068
AOAC 2007.01 w/ GCMSMS	0.1430	0.1745	.	.	0.0068
FDA Harmonized Pesticide Method	0.1490	0.4508	.	.	0.0068
Harmonized FDA	0.1510	0.5430	.	.	0.0068
AOAC 2007.1 GCMS	0.1520	0.5890	.	.	0.0068
CFIA PMR-016	0.1600	0.9574	.	.	0.0068
Aoac 2007.1	0.2160	3.5365	.	.	0.0068

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Display of All Reported Results and z-Scores SPIKED PESTICIDES (When Applicable)

Ship Date = 10/07/2025

Sample=3 Test=Methoxyfenozide

Method	Participating Laboratories Reported Result (ppm)	Participating Laboratories z-Score	Reference Laboratories Reported Result (ppm)	Reference Laboratories z-Score	Standard uncertainty of the assigned value
No Method Provided	.	.	0.0241	-0.1292	0.0020
CDFA MRS-QuECHERS based	.	.	0.0249	0.0019	0.0020
PMR-025	.	.	0.0380	2.1492	0.0020
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
CFIA LCMSMS GCMSMS	Not Detected	.	.	.	.
CFIA PMR-016	0.0180	-1.1291	.	.	0.0020
AOAC 2007.01 w/ LCMSMS	0.0190	-0.9652	.	.	0.0020
AOAC 2007.1 LCMSMS	0.0217	-0.5226	.	.	0.0020
Waters Corp, 2019 (Oregon Cannabis Pest Method)	0.0220	-0.4735	.	.	0.0020
LC-MS/MS	0.0235	-0.2276	.	.	0.0020
SOP 000500	0.0250	0.0183	.	.	0.0020
FDA Harmonized Pesticide Method	0.0270	0.3461	.	.	0.0020
Harmonized FDA	0.0290	0.6739	.	.	0.0020
Aoac 2007.1	0.0350	1.6574	.	.	0.0020
LC-MS/MS	0.0420	2.8049	.	.	0.0020

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Display of All Reported Results and z-Scores SPIKED PESTICIDES (When Applicable)

Ship Date = 10/07/2025

Sample=3 Test=Pirimiphos methyl

Method	Participating Laboratories Reported Result (ppm)	Participating Laboratories z-Score	Reference Laboratories Reported Result (ppm)	Reference Laboratories z-Score	Standard uncertainty of the assigned value
PMR-001	.	.	0.0730	-0.6140	0.0054
CDFA MRS-QuEACHERs based	.	.	0.0956	0.7755	0.0054
No Method Provided	.	.	0.0975	0.8924	0.0054
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
Not Tested	.	.	.	.	.
EN15662/CFIA PMR-006	0.0510	-1.9667	.	.	0.0054
GC-MS/MS	0.0610	-1.3519	.	.	0.0054
Waters Corp, 2019 (Oregon Cannabis Pest Method)	0.0710	-0.7370	.	.	0.0054
CFIA LCMSMS GCMSMS	0.0732	-0.6048	.	.	0.0054
AOAC 2007.01 w/ GCMSMS	0.0760	-0.4296	.	.	0.0054
CFIA PMR-016	0.0810	-0.1221	.	.	0.0054
LC-MS/MS & GC-MS/MS	0.0891	0.3759	.	.	0.0054
SOP 000500	0.0900	0.4312	.	.	0.0054
Harmonized FDA	0.0930	0.6157	.	.	0.0054
FDA Harmonized Pesticide Method	0.0940	0.6772	.	.	0.0054
Aoac 2007.1	0.1150	1.9684	.	.	0.0054

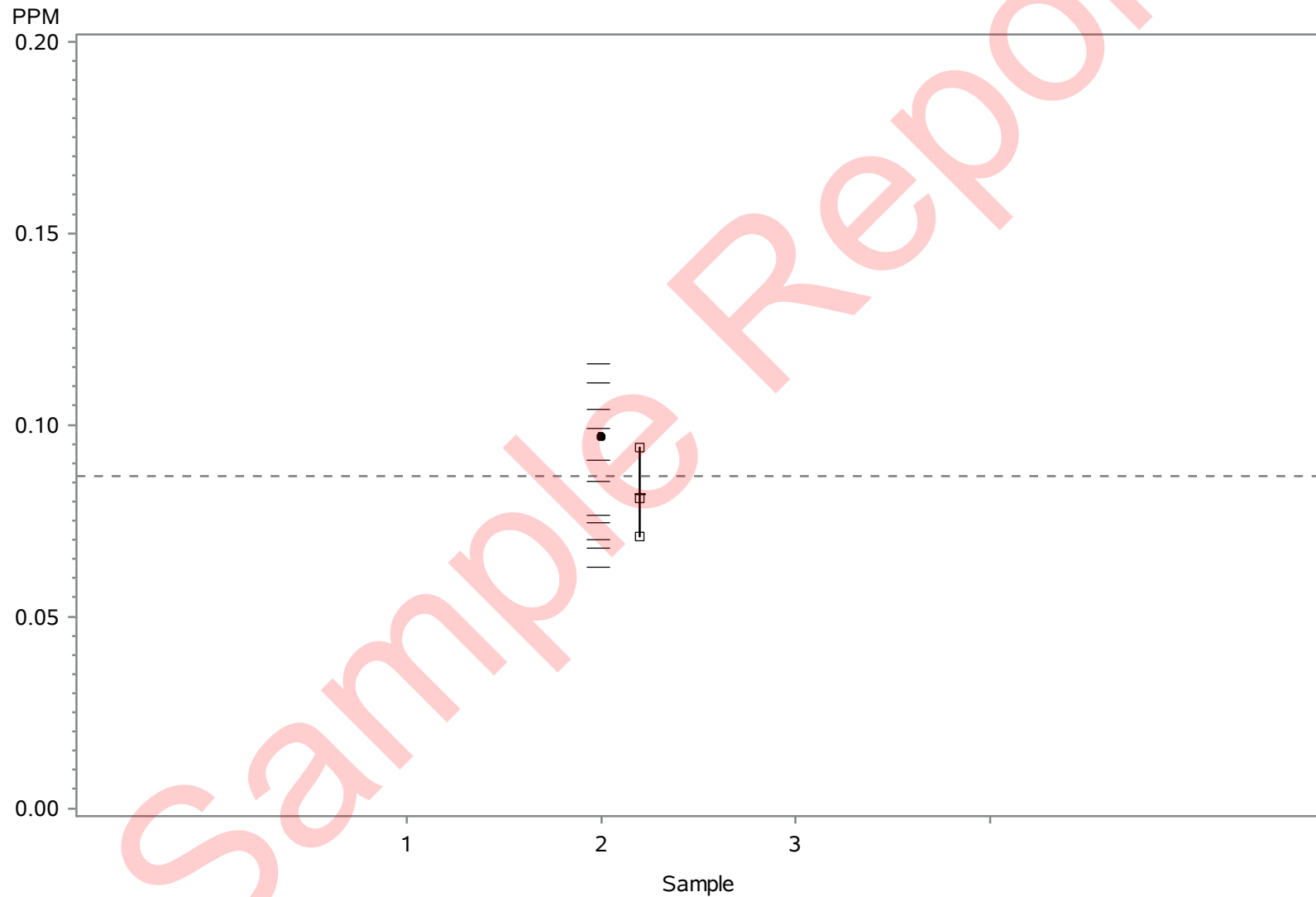
Appendix D

11/26/2025

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Ship Date = 10/07/2025

Test=BHC (HCH) - Total



Site's reported value (dot) compared with all other results
Assigned Value indicated by dashed horizontal reference line.
Reference Labs indicated by squares.

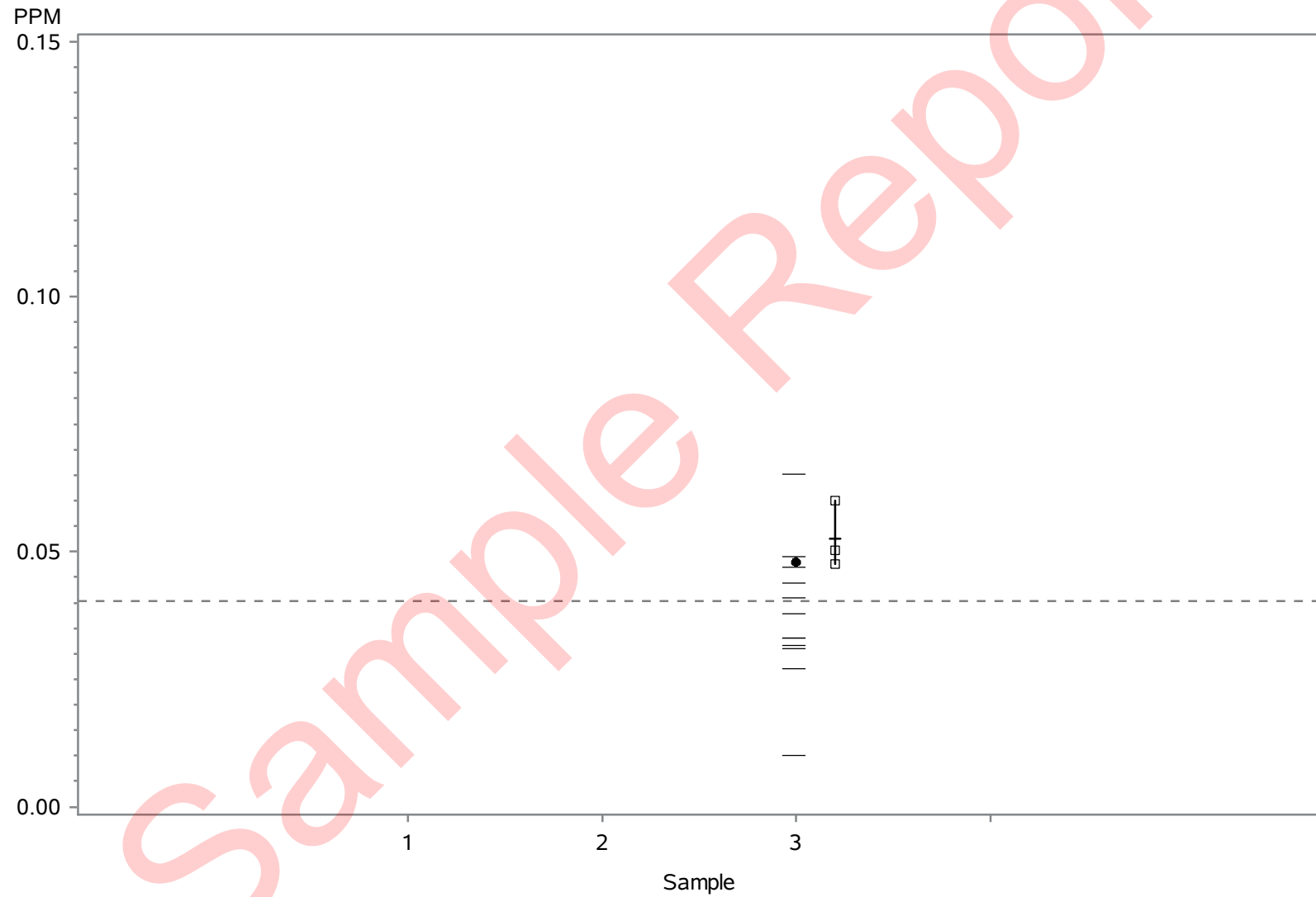
Appendix D

11/26/2025

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Ship Date = 10/07/2025

Test=Boscalid



Site's reported value (dot) compared with all other results
Assigned Value indicated by dashed horizontal reference line.
Reference Labs indicated by squares.

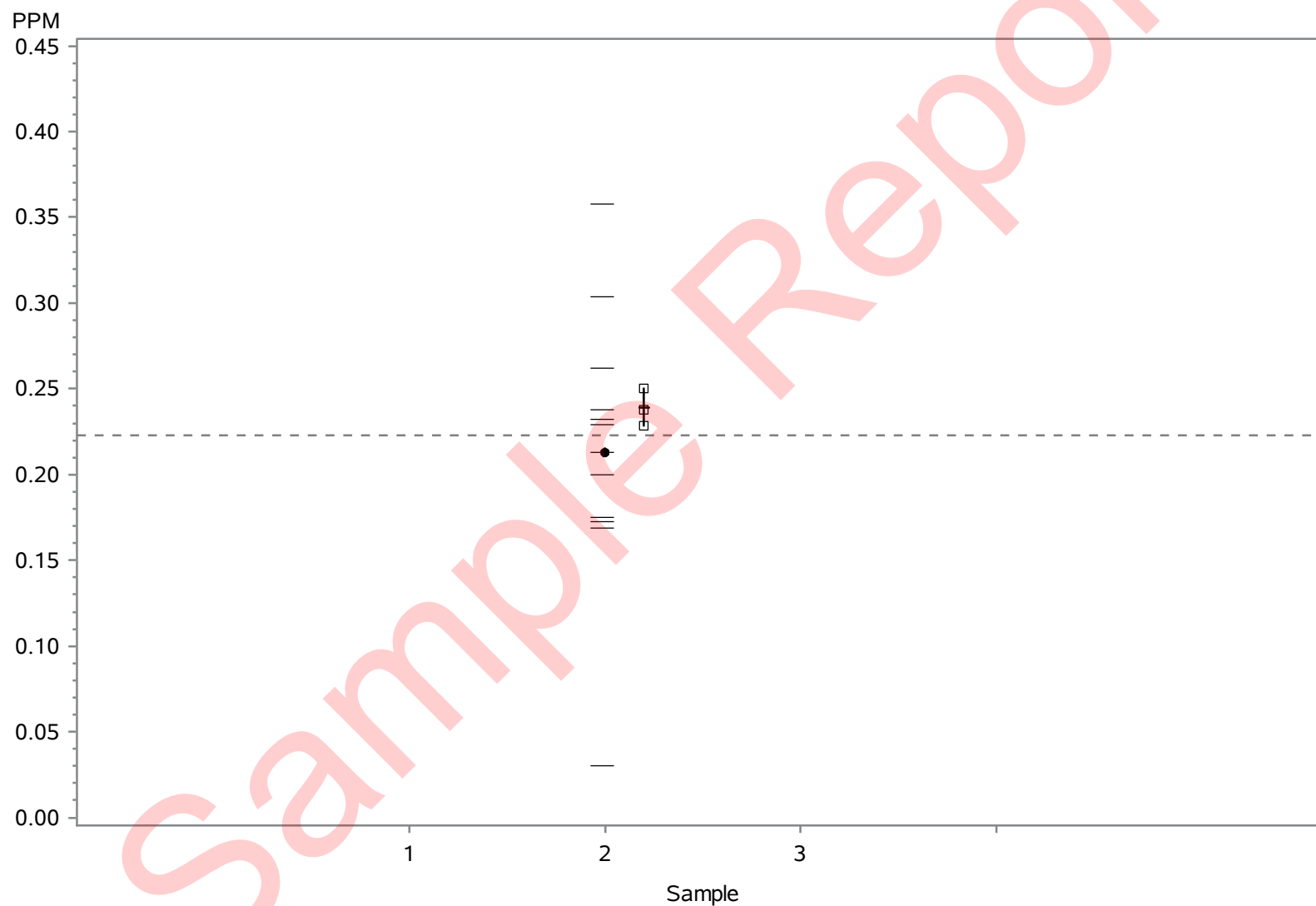
Appendix D

11/26/2025

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Ship Date = 10/07/2025

Test=Carbaryl



Site's reported value (dot) compared with all other results
Assigned Value indicated by dashed horizontal reference line.
Reference Labs indicated by squares.

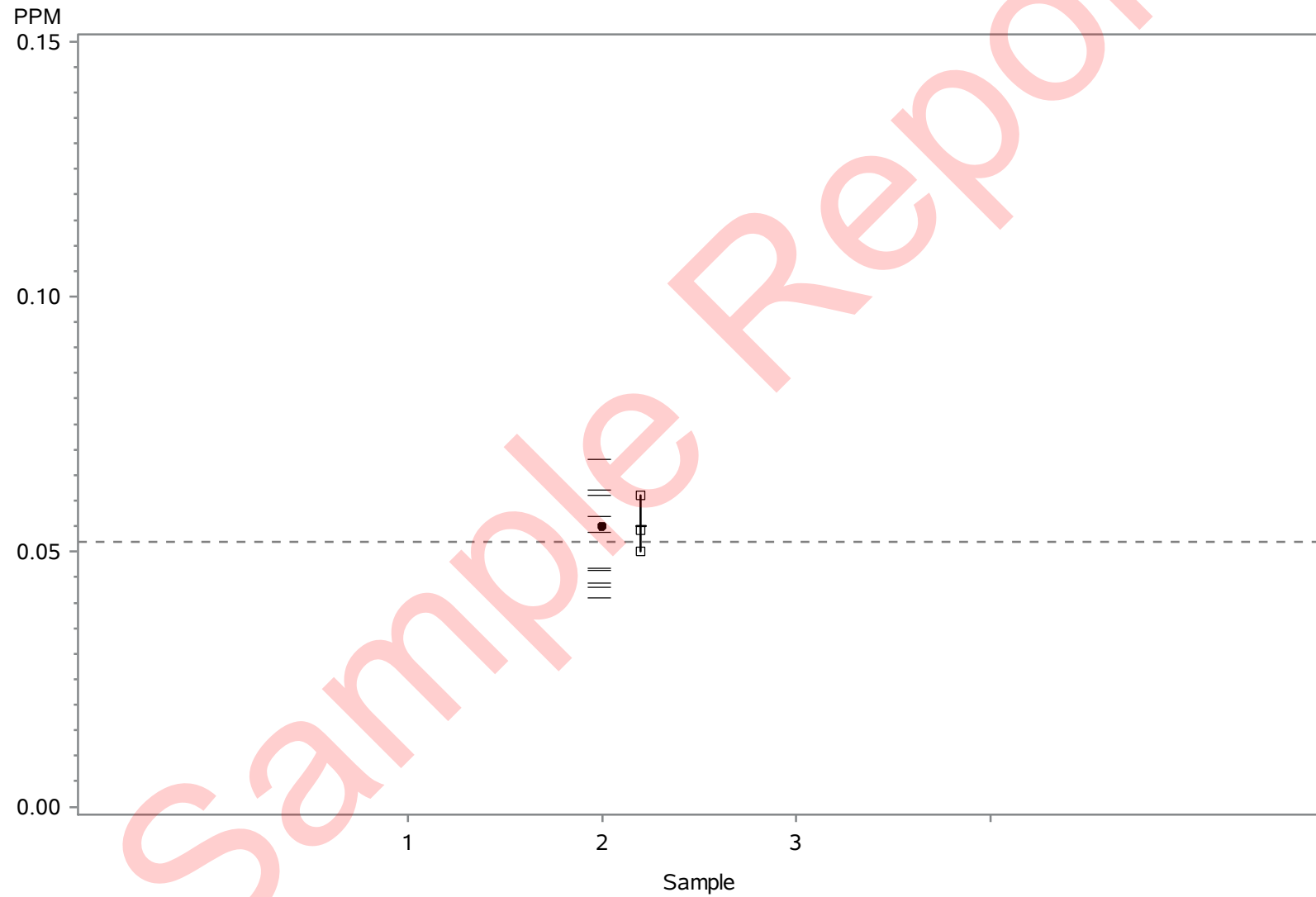
Appendix D

11/26/2025

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Ship Date = 10/07/2025

Test=DCPA



Site's reported value (dot) compared with all other results
Assigned Value indicated by dashed horizontal reference line.
Reference Labs indicated by squares.

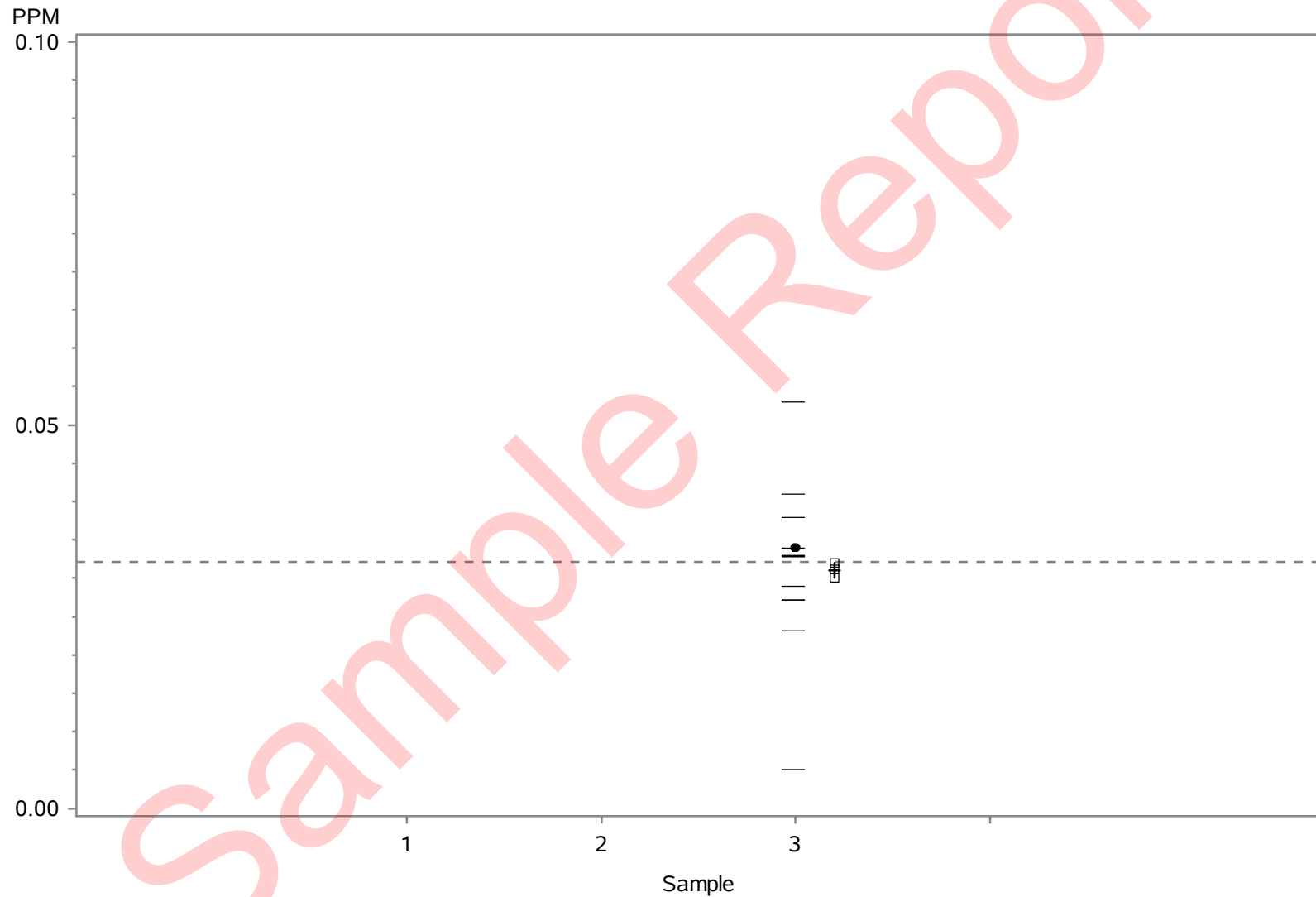
Appendix D

11/26/2025

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Ship Date = 10/07/2025

Test=DDE p p



Site's reported value (dot) compared with all other results
Assigned Value indicated by dashed horizontal reference line.
Reference Labs indicated by squares.

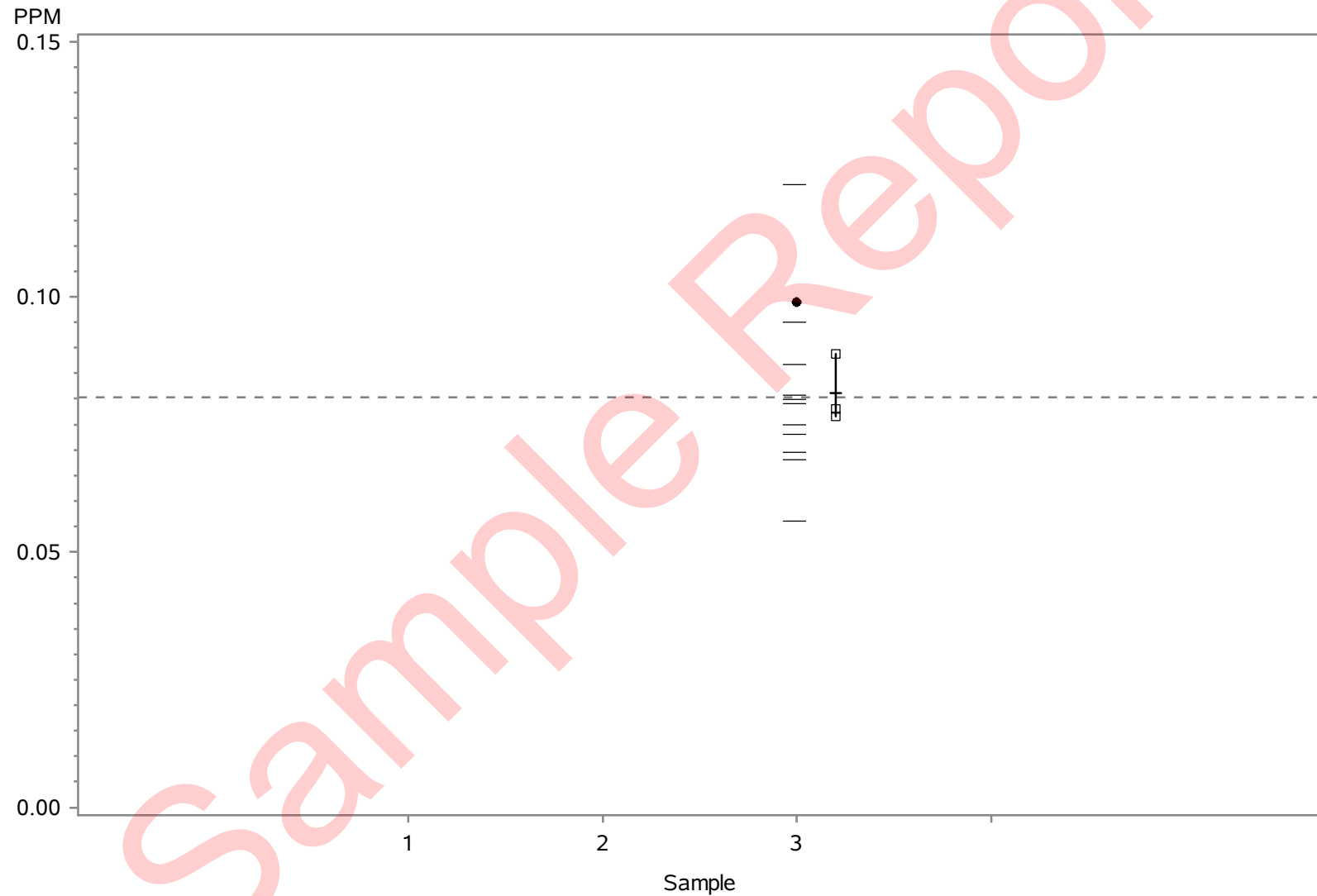
Appendix D

11/26/2025

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Ship Date = 10/07/2025

Test=Dimethoate



Site's reported value (dot) compared with all other results
Assigned Value indicated by dashed horizontal reference line.
Reference Labs indicated by squares.

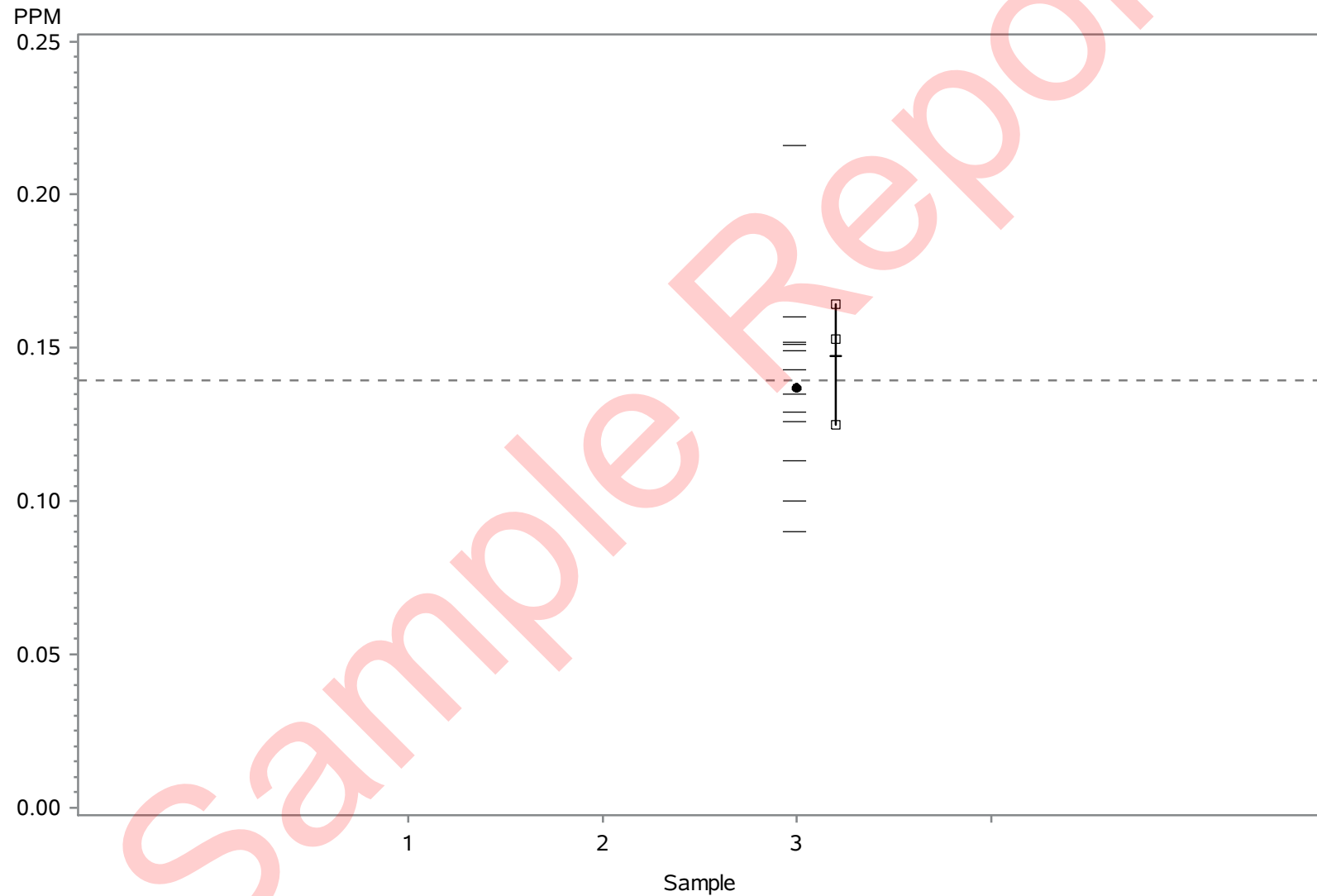
Appendix D

11/26/2025

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Ship Date = 10/07/2025

Test=Endosulfan I



Site's reported value (dot) compared with all other results
Assigned Value indicated by dashed horizontal reference line.
Reference Labs indicated by squares.

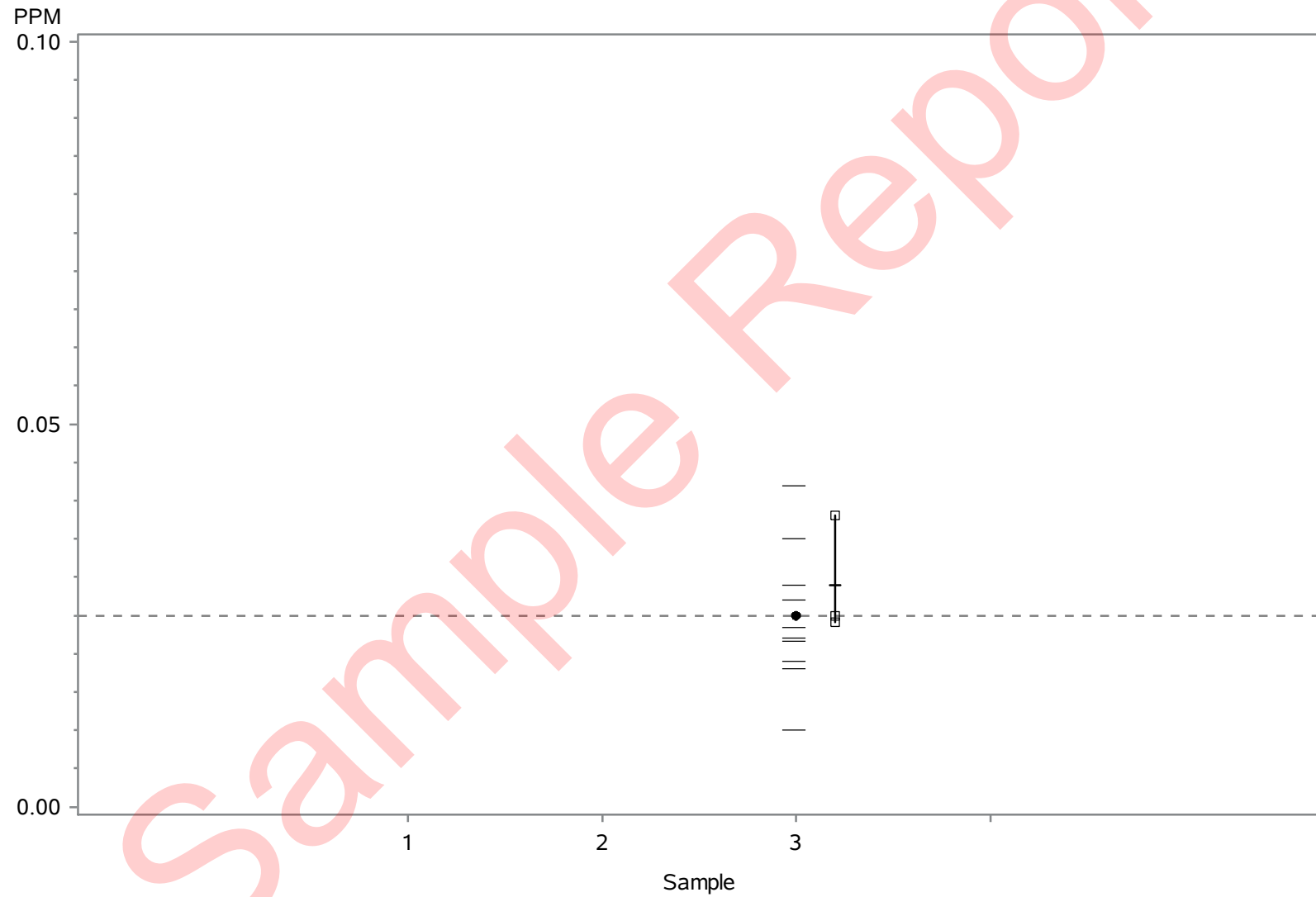
Appendix D

11/26/2025

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Ship Date = 10/07/2025

Test=Methoxyfenozide



Site's reported value (dot) compared with all other results
Assigned Value indicated by dashed horizontal reference line.
Reference Labs indicated by squares.

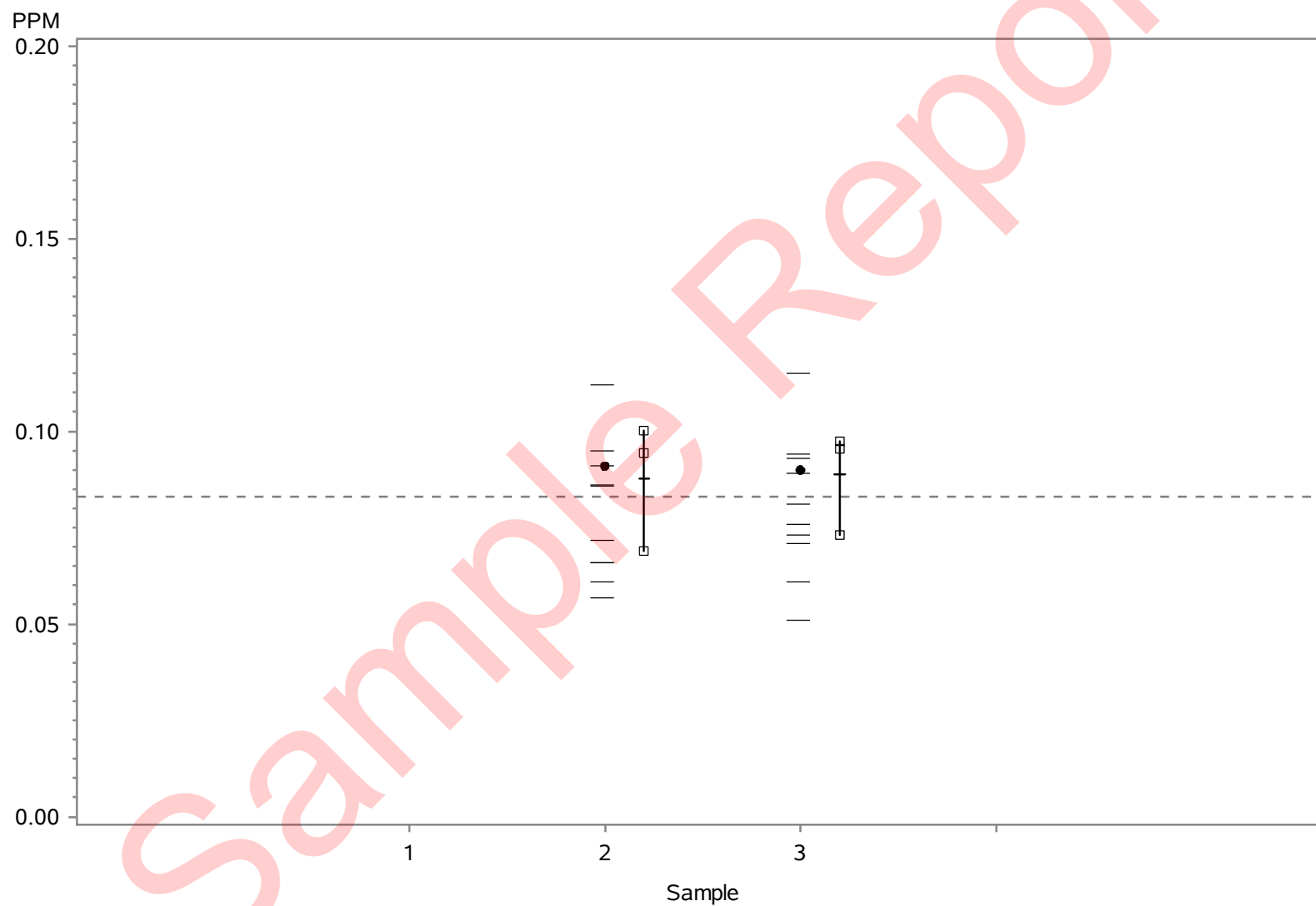
Appendix D

11/26/2025

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Ship Date = 10/07/2025

Test=Pirimiphos methyl



Site's reported value (dot) compared with all other results
Assigned Value indicated by dashed horizontal reference line.
Reference Labs indicated by squares.

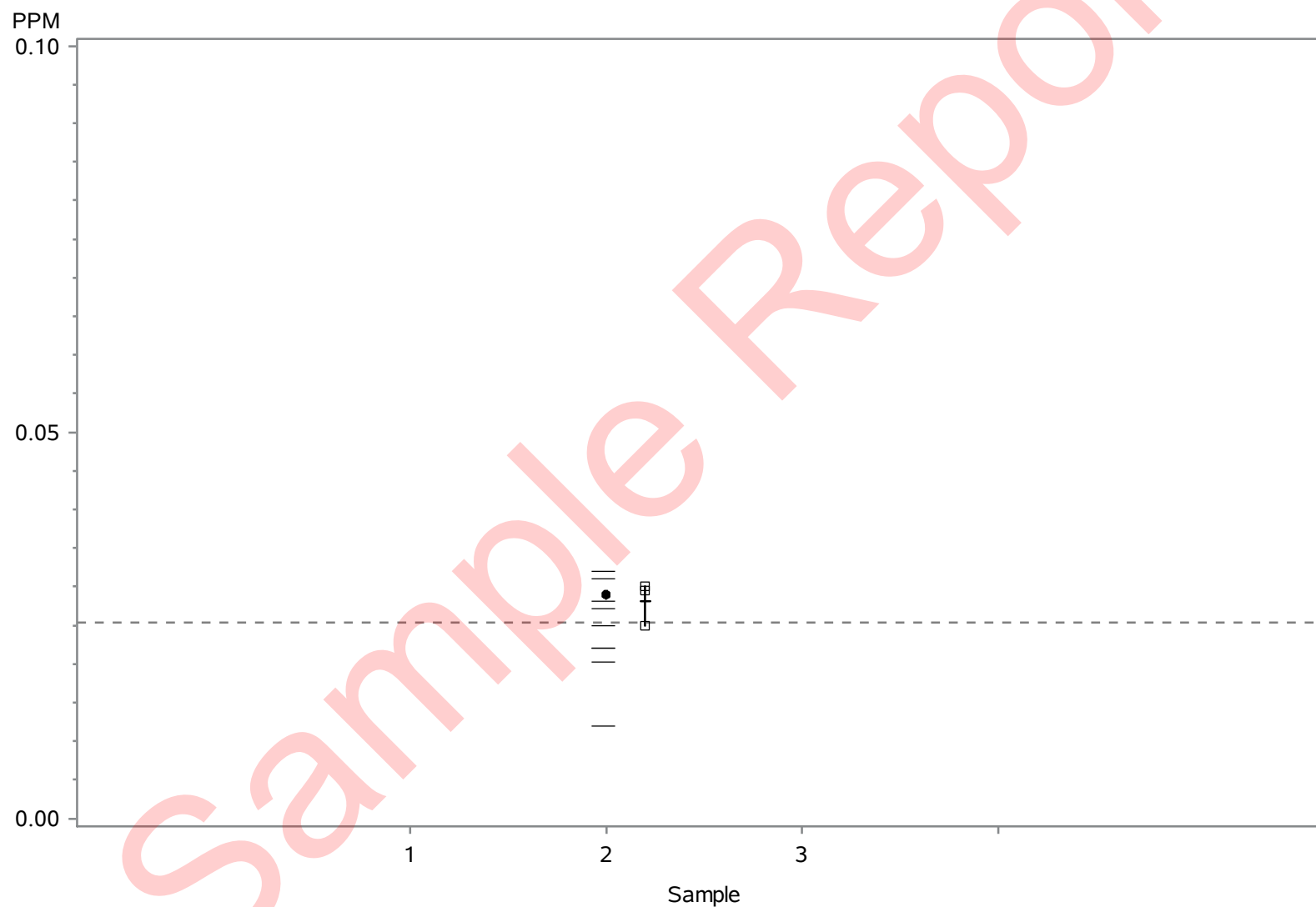
Appendix D

11/26/2025

P01 - Pesticide Residues in Fruits and Vegetables (ug/g (ppm))

Ship Date = 10/07/2025

Test=Quintozene



Site's reported value (dot) compared with all other results
Assigned Value indicated by dashed horizontal reference line.
Reference Labs indicated by squares.



PESTICIDE RESIDUES IN FRUITS & VEGETABLES (P01)

Instructions for Analysis

UPON RECEIPT- Inspect the integrity of the package and its contents to ensure that the samples are intact and not leaking or compromised. Enclosed are three samples, each containing 100 grams of frozen peach. If problems are observed, contact LPTP@AOAC.org.

READ THESE INSTRUCTIONS in their entirety before proceeding with sample preparation and analysis. These instructions contain important information about the enclosed samples and specific requirements for this proficiency test. Failure to read these instructions may adversely impact your performance on this proficiency test.

Samples are provided for analytical purposes only. Provided samples are not for human consumption.

Part 1 – AOAC Website

AOAC has sent an email notification to the laboratory's contact on record, which includes a link to the secure AOAC PT Website, along with the laboratory's login and password information. Instructions for Analysis and Instructions for Reporting are included on this site. Applicable sample details and analysis and reporting instructions also are discussed below.

Part 2 – Sample Details

Number of Samples	3
Sample IDs	Labeled as Sample 1, Sample 2 & Sample 3
Sample Type (Matrix)	Peach
Sample Amount	100g each
Temperature Upon Receipt	≤ 10°C
Sample Storage Temperature	-20°C

Part 3 – Analysis

Sample 1 continues to be a blank. Report incurred residues only for sample 1. Samples 2 and 3 are to be analyzed for the pesticide residues your laboratory indicates it analyzes for on the online possible pesticide residue list. Other pesticides may be present, but should not be reported. Please follow these directions.

Proficiency testing samples should be handled and analyzed in the same manner and following the same analytical standard operating procedures (SOPs) as routine samples. The participating laboratory should take appropriate action(s) to ensure a representative sample is tested (e.g., quantitative transfer, thorough mixing, other internal procedure).

Labs have 30 days to analyze samples and report results.

If relevant to the labs reporting needs, LOD and LOQ can now be reported. Values below the laboratory's limit of detection (LOD) or limit of quantitation (LOQ) should be entered as "less than" (<) either the LOD or LOQ value. A value of zero should not be reported to indicate that the analyte was not detected. Reporting of uncertainties associated with the results is not required.

The sample matrix is Peach. Three Peach samples are included, one blank and two spiked. The samples were prepared as follows: commodity was homogenized, exactly 100 grams was weighed into shipping jars. The jars were frozen, and then individually spiked with pesticide solution. Therefore, the participating laboratory should take appropriate action(s) to ensure a representative sample, such as quantitative transfer or thorough mixing, etc., or as outlined in internal procedures.

Shipping containers, and artificial ice are used for one-way shipping and do not need to be returned. Unused sample should be disposed of in accordance with your laboratory's internal procedures and should not be returned.

Part 4 - Reporting

Refer to the AOAC PT website for detailed reporting instructions, list of possible pesticide residues, units of measurement, and other possible requirements.

Part 5 – Schedule and Other Information

Event	Date
Sample Shipment	07 October 2025
Expected Sample Receipt	Next Day (domestic)
Results Due	06 November 2025
Participant Results Released	≤ 30 days after receipt of all participant results

Questions and Comments

If you have questions regarding the P01 PT round, please contact LPPT@AOAC.org.

Test Material Provider:

Quality Assurance Unit
Center for Analytical Chemistry
California Dept. of Food & Agriculture
3292 Meadowview Road
Sacramento, CA 95832

Appendix F

AOAC International Proficiency Testing

Table 2: QA Spike check and Homogeneity (ppm), AOAC Set # 78

	Peaches # 2				Peaches # 3						
	DCPA (Dacthal)	Pirimiphos Methyl	Carbaryl	BHC (HCH)-Total	Quintozene	Pirimiphos Methyl	Endosulfan I	DDE pp	Boscalid	Dimethoate	Methoxyfenozide
	0.0573	0.0904	0.2311	0.1143	0.0324	0.0904	0.1531	0.0362	0.0453	0.0762	0.0253
Replicate 1	0.0606	0.0910	0.2247	0.1125	0.0336	0.0893	0.1532	0.0319	0.0473	0.0738	0.0261
Replicate 2	0.0619	0.0928	0.2386	0.1118	0.0328	0.0927	0.1770	0.0358	0.0481	0.0767	0.0256
Replicate 3	0.0587	0.0943	0.2367	0.1133	0.0321	0.0932	0.1558	0.0351	0.0488	0.0752	0.0262
Replicate 4	0.0571	0.0905	0.2369	0.1167	0.0340	0.0910	0.1405	0.0351	0.0472	0.0744	0.0239
Mean	0.0596	0.0922	0.2342	0.1136	0.0331	0.0915	0.1566	0.0345	0.0479	0.0750	0.0254
% Recovery	104	102	101	99	102	101	102	95	106	98	100
Std.Dev.	0.0021	0.0018	0.0064	0.0022	0.0008	0.0018	0.0151	0.0018	0.0007	0.0012	0.0011
% CV	4	2	3	2	2	2	10	5	1	2	4
S. E. M.	0.0011	0.0009	0.0032	0.0011	0.0004	0.0009	0.0076	0.0009	0.0004	0.0006	0.0006
Min.	0.0571	0.0905	0.2247	0.1118	0.0321	0.0893	0.1405	0.0319	0.0472	0.0738	0.0239
Max.	0.0619	0.0943	0.2386	0.1167	0.0340	0.0932	0.1770	0.0358	0.0488	0.0767	0.0262

Grand Mean % Recovery: 101
Grand Mean % CV: 3