

Microbe Inotech Laboratories, Inc.
Summary Report of Analysis
[GLYPH – 1823A] Preliminary

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(address deleted)

Preliminary: January 2, 2015

Description and Chain of Custody Record Information:

- Wednesday, September 03, 2014 – 2:33PM: Received by USPS twenty (20) Pediasure Enteral Nutritional Formula samples for Glyphosate detection by ELISA assay.
- MiL, Inc. REPORT and Invoice No.: GLYPH1823A

Sample Processing

To detect Glyphosate, an enzyme linked immunosorbent assay (ELISA) was used. The sample along with a glyphosate specific antibody is added to a well coated with goat anti-Rabbit antibody and incubated for 30 minutes. Then a glyphosate enzyme conjugate is added. A competition occurs between glyphosate that is present in the sample and the enzyme labeled glyphosate analog for the antibody binding sites in the well. The wells are washed and a color solution is added. The color solution causes a color change in the wells containing the enzyme labeled glyphosate analog. Since the labeled glyphosate was in competition with the unlabeled glyphosate in the sample the color development is inversely proportional to the concentration of glyphosate in the sample. The wells are read at 450nm to determine absorbance.

Results are calculated based on a standard curve. The results are then adjusted based on the extraction procedure and final dilution.

Results:

Sample Number	Sample Name	Dilution	Results in ppb
Glyph1823A-1	Pediasure Enteral Nutritional Formula	1:1000	<75 ppb
Glyph1823A-2	Pediasure Enteral Nutritional Formula	1:1000	91 ppb
Glyph1823A-3	Pediasure Enteral Nutritional Formula	1:1000	<75 ppb
Glyph1823A-4	Pediasure Enteral Nutritional	1:1000	<75 ppb

	Formula		
Glyph1823A-5	Pediasure Enteral Nutritional Formula	1:1000	111 ppb
Glyph1823A-6	Pediasure Enteral Nutritional Formula	1:1000	95 ppb
Glyph1823A-7	Pediasure Enteral Nutritional Formula	1:1000	80 ppb
Glyph1823A-8	Pediasure Enteral Nutritional Formula	1:1000	<75 ppb
Glyph1823A-9	Pediasure Enteral Nutritional Formula	1:1000	<75 ppb
Glyph1823A-10	Pediasure Enteral Nutritional Formula	1:1000	<75 ppb
Glyph1823A-11	Pediasure Enteral Nutritional Formula	1:1000	<75 ppb
Glyph1823A-12	Pediasure Enteral Nutritional Formula	1:1000	87 ppb
Glyph1823A-13	Pediasure Enteral Nutritional Formula	1:1000	<75 ppb
Glyph1823A-14	Pediasure Enteral Nutritional Formula	1:1000	<75 ppb
Glyph1823A-15	Pediasure Enteral Nutritional Formula	1:1000	89 ppb
Glyph1823A-16	Pediasure Enteral Nutritional Formula	1:1000	<75 ppb
Glyph1823A-17	Pediasure Enteral Nutritional Formula	1:1000	<75 ppb
Glyph1823A-18	Pediasure Enteral Nutritional Formula	1:1000	<75 ppb
Glyph1823A-19	Pediasure Enteral	1:1000	<75 ppb

	Nutritional Formula		
Glyph1823A-20	Pediasure Enteral Nutritional Formula	1:1000	<75 ppb

Limit of Detection for glyphosate: in milk products: 75 ppb

Thank you from the staff on project:

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