



Certificate of Analysis

Client: Mechelle Perro
Contact information: mdperro@earthlink.net
Received Date: 20240325
Report Date: 20240419

Table with columns: Sample ID#, Substance, Sample Region, COA description, Lot # and Expiration Date, Glyphosate (ng/g), AMPA (ng/g), Effective Glyphosate Level (ng/g). Rows include samples from California, Iowa, and Louisiana.

Sample Analysis; Screening and Confirmation of Glyphosate/AMPA Residues by UHPLC-MS-MS, an ISO 17025:2017-Accredited HRI Internal Method, TM #8, Glyphosate &

Sample preparation employed a modification of the method described in Chamkasem, Narong, Cynthia Morris, and Tiffany Harmon. 2016.
'Direct Determination of Glyphosate, Glufosinate, and AMPA in Milk by Liquid Chromatography/tandem Mass Spectrometry.'
-Journal of Regulatory Science 3 (2): 20-26.

LC-MS/MS analysis employed a modification of the method described in Jensen, Pamela K., Chad E. Wujcik, Michelle K. McGuire, and Mark A. McGuire. 2016.
'Validation of Reliable and Selective Methods for Direct Determination of Glyphosate and Aminomethylphosphonic Acid in Milk and Urine Using LC-MS/MS.'
-Journal of Environmental Science and Health, Part B 51 (4): 254-59. doi:10.1080/03601234.2015.1120619.

Glyphosate LOQ = 0.05 LOD = 0.02 ppb
AMPA LOQ = 0.05 LOD = 0.013 ppb
Terms: "Trace" is between LOD and LOQ
"Not Detected(ND)" is less than LOD

Analysed and reported on Behalf of Health Research Institute by

Ramya Velamuri

Associate Scientist
ramya@hri-labs.org



ISO/IEC 17025:2017
Accreditation # 92657
CA STATE ID: 800766



Released on Behalf of Health Research Institute by

John Fagan

Dr. John Fagan, Chief Scientist
room 111, 505 Dimick Drive
Fairfield, IA 52556
+1 641-552-6258



ISO/IEC 17025:2017
Accreditation # 92657
CA STATE ID: 800766



