



Certificate of Analysis

Sample Description: ice cream from United Kingdom
Client: Organic Consumers Association
Sample Volume: various

Sample Numbers: S0001679-1681
Receipt Date: 2017-08-25
Test Date: 2017-09-19
Shipment Temp: + 0°C
Storage Temp: -20°C

Samples:				Results:		
Sample ID#	Sample Description/ UPC Code	Lot # and Expiration Date	Sample Volume	Glyphosate (ng/ml)	AMPA (ng/ml)	Effective Glyphosate Level (ng/ml)
S0001679	Ben & Jerry's / Half Baked flavor ice cream / 0076840620036	L70621K011 / 22:35:46 / 09/2018	500 ml	1.23	Not Detected	1.23
S0001680	Ben & Jerry's / Peanut Butter Cup flavor ice cream / 8711200590810	L71221K011 / 02:14:00 / 11/2018	500 ml	1.01	Not Detected	1.01
S0001681	Ben & Jerry's / Chocolate Fudge Brownie flavor ice cream / 0076840600038	L71811L011 / 00:37:21 / 12/2018	500 ml	1.00	Detected	1.00

Methods

Sample Analysis: HRI TM #8 "Glyphosate and AMPA Detection by LC-MS/MS"

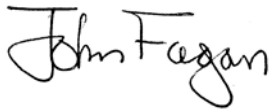
Sample preparation employed a modification of the method described in Chamkasem, Narong, Cynthia Morris, and Tiffany Harmon. 2016. "Direct Determination of Glyphosate, Glufosinate, and AMPA in Milk by Liquid Chromatography/tandem Mass Spectrometry." *Journal of Regulatory Science* 3 (2): 20–26.

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.

Limit of Quantitation (LOQ) and Limit of Detection (LOD) are sub-part per billion for this method and are determined for each sample.

Effective Glyphosate Level calculated according to Food and Agriculture Organization (FAO) method where total glyphosate residue is the sum of the weight of glyphosate + 1.5 × the weight of its metabolite AMPA.

Released on Behalf of HRI Laboratories by



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