



**Certificate of Analysis**

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

Sample Numbers: S0001793-1798  
Receipt Date: 2017-09-15  
Test Date: 2017-09-21  
Shipment Temp: + 0°C  
Storage Temp: -20°C

Samples:				Results:		
Sample ID#	Sample Description/ UPC Code	Lot # and Expiration Date	Sample Mass / Volume	Glyphosate (ng/ml)	AMPA (ng/ml)	Effective Glyphosate Level (ng/ml)
S0001793	Ben & Jerry's / Peanut Butter Cup flavor ice cream / 8711200590810	L71721K011 01:07:42 Exp 12/2018	431 g / 500 ml	0.64	0.14	0.85
S0001794	Ben & Jerry's / Karamel Sutra Core flavor ice cream / 8712566934744	L71501K011 / 19:50:14 Exp 11/2018	430 g / 500 ml	0.32	Not Detected	0.32
S0001795	Ben & Jerry's / Cinnamon Buns flavor ice cream / 8712100694707	L70933L011 21:29:20 Exp 10/2018	430 g / 500 ml	Detected	Not Detected	Detected
S0001796	Ben & Jerry's / Home Sweet Honey Comb flavor ice cream / 8714100629716	L71991L011 23:36:56 Exp 01/2019	430 g / 500 ml	Not Detected	Not Detected	Not Detected
S0001797	Ben & Jerry's / Toppea Chocolate Caramel Cookie Dough flavor ice cream / 8714100387115	L70901K011 13:03:06 Exp 09/2018	430 g / 500 ml	0.67	Not Detected	0.67
S0001798	Ben & Jerry's / Cookie Dough flavored ice cream / 007684060021	L71872N011 09:29:51 Exp 09/2019	430 g / 500 ml	0.29	Not Detected	0.29

Methods

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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.

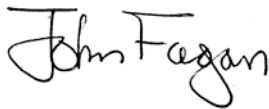
Limit of Quantitation (LOQ) and Limit of Detection (LOD) are sub-part per billion for this method and are determined for each sample.

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.

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Released on Behalf of HRI Laboratories by

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