



Certificate of Analysis

Sample Description:	tea	Sample Numbers:	S0002199, S0002200
Client:	Michael Gabrielli	Receipt Date:	2017-12-27
Sample Mass:	various	Test Date:	2018-01-12
		Shipment Temp:	Ambient
		Storage Temp:	Ambient

Samples:				Results:		
Sample ID#	Sample Description/ UPC Code	Lot # and Expiration Date	Sample Volume / Mass	Glyphosate (ng/g)	AMPA (ng/g)	Effective Glyphosate Level (ng/g)
S0002199	Lipton Green Tea with Mint / 100% Natural / 041000671517	Best by Feb 2018 / SQ4 1556	28.3 g	102.89	4.61	109.80
S0002200	Lipton pure Green Tea / 100% natural / 041000077203	Best by Aug 25 2018 / SQ3 0407	28.3 g	189.96	12.22	208.29

Methods

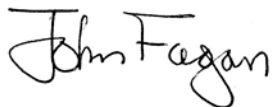
Sample Analysis: HRI TM #8 "Glyphosate and AMPA Detection by LC-MS/MS"

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.



Dr. John Fagan, Sr. Scientist

P.O. Box 370  
Fairfield, IA 52556  
+1 641-552-6258