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Certificate of Analysis

Client: Contact Organic Certificate of Analysis # COA 2022-765

Sample Description: Herbicide Components Report Date 5/30/2022

Test Date: 5/27/2022

Samples:				Results:			
Sample ID#	Sample Description/ UPC Code	Lot#	Sample Volume / Mass	Paraquat (ng/g)	Diquat (ng/g)	Chlormequat (ng/g)	Glufosinate (ng/g)
	Contact Organic						
S9533	Boost	COT2020L03001	1 Qt.	ND	ND	ND	ND
	Contact Organic						
S9534	Terminator 2	COT2020L09002	1 Qt.	ND	ND	ND	ND

Methods:

Sample Analysis: Fit for Purpose HRI Method "Obelisc 3 Quats+Gluf Detection by LC-MS/MS"

Sample preparation employed a modification of the method described in: Dasharath Oulkar, Raviraj Shinde, Zareen Khan and Kaushik Banerjee. 2019 "High throughput residue analysis of paraquat and diquat involving hydrophilic interaction liquid chromatographic separation and mass spectrometric determination." Food Additives & Contaminants: Part A, DOI: 10.1080/19440049.2018.1547424.

LC-MS/MS analysis employed a modification of the method described in Anna Baue, Jens Luetjohann, Sascha Rohn, Jürgen Kuballa, Eckard Jantzen. 2018. "Development of an LC-MS/MS Method for Simultaneous Determination of the Quaternary Ammonium Herbicides Paraquat, Diquat, Chlormequat, and Mepiquat in Plant-Derived Commodities." Food Analytical Methods, https://doi.org/10.1007/s12161-018-1201-6

Limit of Quantitation (LOQ) for this method is 10 ng/g.

John Fagan. Ph.D, Chief Scientific Officer

ND = Not detected

D = Detected, but below the limit of quantification

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