



COA#VLS **Certificate of Analysis**

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

Samples:					Test Sample Results:		
Sample ID#	Substance	Sample Region	COA description	Lot # and Expiration Date	Glyphosate (ng/g)	AMPA (ng/g)	Effective Glyphosate Level (ng/g)
S11508	Girl Scout Cookies	California	tagalongs-Crispy cookies layered with peanut butter and covered with a chocolate coating	L011E29, Exp: Sep 01 2024	32.27	4.68	39.29
S11509	Girl Scout Cookies		adventurefuls-Indulgent brownie-inspired cookies with caramel flavored vreme and a hint of sea salt	L219TKI, Exp: Sep 01 2024	9.30	3.95	15.22
S11510	Girl Scout Cookies		thinmints-Crisp, chocolate cookies made with natural oil of peppermint	L342729, Exp: Sep 01 2024	22.86	4.34	29.36
S11511	Girl Scout Cookies		trefoils-Iconic shortbread cookies inspired by the original girl scout recipe	L200729, Exp: Sep 01 2024	12.26	4.57	19.11
S11512	Girl Scout Cookies		Samoas-Crisp cookies with caramel, coconut, and dark chocolate stripes	L004E29, Exp: Sep 01 2024	14.21	2.56	18.05
S11513	Girl Scout Cookies		do-si-dos-Oatmeal sandwich cookies with peanut butter filling	L017E29, Exp: Sep 01 2024	31.00	13.14	50.72
S11514	Girl Scout Cookies		Tofee tastic gluten free-Rich, buttery cookies with sweet, crunchy toffee bits	L354T29, Exp: Sep 01 2024	4.05	Trace	4.05
S11515	Girl Scout Cookies		Lemon-UPS-Crispy lemon flavored cookies with inspiring message to lift your spirit	L009E27, Exp: Sep 01 2024	7.65	4.99	15.14
S11516	Girl Scout Cookies		S'mores-Graham sandwich cookies with chocolate and marshmallow flavored filling	L202TKH, Exp: Sep 01 2024	12.96	Trace	12.96
S11517	Girl Scout Cookies		adventurefuls-Indulgent brownie-inspired cookies with caramel flavored vreme and a hint of sea salt	353NS, Exp: Sep 01 2024	20.00	2.41	23.62
S11518	Girl Scout Cookies	Iowa	peanut butter sandwich-Oatmeal sandwich cookies with peanut butter filling	030NS, Exp: Sep 01 2024	20.23	5.07	27.84
S11519	Girl Scout Cookies		thinmints-Crisp, chocolate cookies made with natural oil of peppermint	023NS, Exp: Sep 01 2024	26.66	3.13	31.36
S11520	Girl Scout Cookies		trefoils-Iconic shortbread cookies inspired by the original girl scout recipe	355NS, Exp: Sep 01 2024	40.34	3.02	44.86
S11521	Girl Scout Cookies		toast-yay - French toast-inspired cookies dipped in delicious icing	024NS, Exp: Sep 01 2024	19.43	2.88	23.75
S11522	Girl Scout Cookies		Caramel delites- Crispy cookies topped with caramel, toasted coconut and chocolate stripes	200, Exp: Sep 01 2024	25.43	2.35	28.95
S11523	Girl Scout Cookies		Peanut butter patties - crispy cookies layered with peanut butter and covered with a chocolate coating	270, Exp: Sep 01 2024	11.27	4.74	18.38
S11524	Girl Scout Cookies		lemonades- savory slices of shortbread with a refreshingly tangy lemon flavored icing	354NS, Exp: Sep 01 2024	67.98	7.11	78.65
S11525	Girl Scout Cookies		trefoils-Iconic shortbread cookies inspired by the original girl scout recipe	026NS, Exp: Sep 01 2024	22.73	2.62	26.65
S11526	Girl Scout Cookies		thinmints-Crisp, chocolate cookies made with natural oil of peppermint	187, Exp: Sep 01 2024	99.41	7.77	111.07
S11527	Girl Scout Cookies		adventurefuls-Indulgent brownie-inspired cookies with caramel flavored creme and a hint of sea salt	012NS, Exp: Sep 01 2024	16.37	2.73	20.47
S11528	Girl Scout Cookies	Louisiana	peanut butter sandwich-Oatmeal sandwich cookies with peanut butter filling	315, Exp: Sep 01 2024	56.28	7.33	67.28
S11529	Girl Scout Cookies		Caramel delites- Crispy cookies topped with caramel, toasted coconut and chocolate stripes	173, Exp: Sep 01 2024	41.37	2.24	44.74
S11530	Girl Scout Cookies		Peanut butter patties - crispy cookies layered with peanut butter and covered with a chocolate coating	335SHW, Exp: Sep 01 2024	8.70	3.25	13.57
S11531	Girl Scout Cookies		lemonades- savory slices of shortbread with a refreshingly tangy lemon flavored icing	017NS, Exp: Sep 01 2024	17.50	4.72	24.58
S11532	Girl Scout Cookies		toast-yay - French toast-inspired cookies dipped in delicious icing	322NS, Exp: Sep 01 2024	40.01	4.15	46.23

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 Chamkassam, Narong, Cynthia Morris, and Tiffany Harmon. 2016.

"Direct Determination of Glyphosate, Glufosinate, and AMPA in Milk by Liquid Chromatography/Landem 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

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



Accreditation #92657

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Summary of Glyphosate Testing Results (Averaged by Cookie Variant)

Cookie Variant	Avg Glyphosate (ng/g)	Avg AMPA (ng/g)	Avg Effective Glyphosate (ng/g)
Thin Mints	42.01	3.87	45.88
Trefoils	25.64	4.09	31.68
Samoas / Caramel Delites	19.82	2.46	24.46
Tagalongs / Peanut Butter Patties	11.53	3.78	16.84
Peanut Butter Sandwich / Do-si-dos	35.75	8.51	47.61
Toast-Yay	33.34	3.92	38.62
Lemonades	42.74	5.92	51.62
Lemon-Ups	7.65	4.99	15.14
Adventurefuls	12.92	3.44	19.64
S'mores	15.22	3.89	19.11
Toffee-tastic (GF)	4.05	Trace	4.05