



COA4V1.5

Glyphosate/AMPA Certificate of Analysis

Client: Zen Honeycutt / Mom's Across America

Report
Date: 20230925

Sample #	Substance	COA descripton	Lot#, Expiration	Glyp in Orig Sample	AMPA in Orig Sample	Total Effective Glyphosate
				ng/g	ng/g	ng/g
S10961	Pizza	PIZZA HUT - Pepperoni and cheese pizza- extra pepperoni (2 personal size)	NA	1.32	6.36	10.86
S10962	Pizza	PIZZA HUT - Vegetable topped pizza (2 personal size)	NA	2.794	2.385	6.37
S10963	Taco	TACO BELL - Beef taco supreme (2)	NA	10.184	3.873	15.99
S10964	Taco	TACO BELL - Chicken and cheese quesadilla (3)	NA	10.409	2.193	13.70
S10965	Fried chicken	KFC - Fried chicken breasts (3)	NA	Trace	1.26	1.89
S10966	Sandwich	KFC - Fried chicken sandwich (3)	NA	51.69	7.25	62.56
S10967	Burger	IN-N-OUT BURGER - Cheeseburger (3)	NA	7.10	ND	7.10
S10968	Fries	IN-N-OUT BURGER - Fries (3)	NA	Trace	3.59	5.38
S10971	Sandwich	PANERA BREAD - Steak and cheddar sandwich (2)	NA	172.21	27.58	213.58
S10972	Sandwich	PANERA BREAD - Deli ham sandwich (2)	NA	197.23	18.86	225.53
S10973	Burger	JACK IN THE BOX - Bacon cheese burger with lettuce, onions and tomato (3)	NA	14.61	5.43	22.75
S10974	Fries	JACK IN THE BOX - Fries (3)	NA	Trace	Trace	Trace
S10975	Carnitas Bowl	CHIPOTLE - Carnitas bowl with everything (1)	NA	0.714	0.489	1.45
S10976	Burrito	CHIPOTLE - Beef burrito with cheese (1)	NA	3.197	Trace	3.20
S10977	Chicken Tender	POPEYES LOUISIANA KITCHEN - 5 piece tenders (3)	NA	3.74	1.97	6.70
S10978	Sandwich	POPEYES LOUISIANA KITCHEN - Spicy Chicken Sandwich (3)	NA	69.93	9.65	84.41
S10979	Burger	SONIC DRIVE-IN - Cheese Burger (3)	NA	38.702	4.256	45.09
S10980	Fries	SONIC DRIVE-IN - Fries (3)	NA	2.843	Trace	2.84
S10981	Pizza	LITTLE CAESARS - Pepperoni pizza (1)	NA	42.99	19.17	71.74
S10982	Pizza	LITTLE CAESARS - Sausage pizza (1)	NA	48.55	5.43	56.69
S10983	Sandwich	DUNKIN - Breakfast sandwich - sausage, egg and cheese (3)	NA	75.187	7.809	86.90
S10984	Donut	DUNKIN - Glazed Donut (3)	NA	37.021	6.569	46.87
S10985	Orange Chicken + White Rice	PANDA EXPRESS - Orange Chicken + White Rice (2)	NA	4.754	Trace	4.75
S10986	Beef and brocolli with fried rice	PANDA EXPRESS - Beef and brocolli with fried rice (2)	NA	Trace	Trace	Trace
S10987	Burger	DAIRY QUEEN - FlameThrower Grillburger (3)	NA	105.906	11.791	123.59
S10988	Fries	DAIRY QUEEN - Fries (3)	NA	Trace	2.230	3.35
S10989	Sandwich	WENDY'S - Chicken Sandwich (3)	NA	21.729	3.621	27.16
S10990	Burger	WENDY'S - Cheese Burger (3)	NA	25.141	3.259	30.03

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S10990	Burger	WENDY'S - Cheese Burger (3)	NA			
S10993	Pizza	DOMINO'S - Pepperoni cheese pizza - extra pepperoni (4 slices)	NA	77.08	Trace	77.08
S10994	Pizza	DOMINO'S - Pepperoni cheese pizza Gluten Free crust - extra pepperoni (6 slices)	NA	Trace	Trace	Trace
S11005	Burger	BURGER KING - Quarter Pounder with lettuce and tomato and cheese (3)	NA	25.26	1.97	28.22
S11004	Burger	BURGER KING - Impossible Burger (2)	NA	28.58	9.67	43.09
S11006	Sandwich	STARBUCKS - Double-Smoke Bacon, Cheddar and Egg Sandwich (3)	NA	2.03	27.31	42.99
S11007	Sandwich	SUBWAY - Veggie Delight - Footlong (2)	NA	87.83	9.91	87.83
S11008	Sandwich	SUBWAY - Veggie Delight - Footlong (2)	NA	276.012	15.066	298.61
S11009	Sandwich	STARBUCKS - Impossible Breakfast Sandwich (3)	NA	56.017	18.421	83.65
S11010	Sandwich	CHICK-FIL-A* - Chicken sandwich (3)	NA	12.574	2.372	16.13
S11011	Nuggets	CHICK-FIL-A* - Chicken nuggets (3)	NA	Trace	Trace	Trace
S11016	Burger	MCDONALD'S - Big Mac (3) - Beef, Lettuce, Pickle, American Cheese	NA	3.623	Trace	3.62
S11017	Burger	MCDONALD'S - Breakfast egg sausage and cheese sandwich (3)	NA	1.96	Trace	1.96
S11027	Sandwich	ARBY'S - Classic Chicken Sandwich (3)	NA	105.71	12.37	124.26
S11028	Sandwich	ARBY'S - Roast Beef & Cheddar Sandwich (3)	NA	82.22	11.24	99.07

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.

Sample Analysis; Screening and Confirmation of Glyphosate/AMPA Residues by UHPLC-MS-MS, an ISO 17025:2017-Accredited HRI internal Method ; TM #8 , Glyphosate & AMPA in Diverse Solid & Liquid Matrices.

Glyphos: LOQ = 0.05 p_g LOD = 0.02 ppb
AMPA LOQ = 0.05 p_g LOD = 0.013 ppb

"Trace" is between LOD and LOQ
"Not Detected" 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

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