

Prepared For

Customer Equip Foods
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 Phone -
 Address -

Lab Contact

Name Lev Spivak-Birndorf
 Email lev@lightlabs.com
 Phone (737) 237-8951
 Address 600 South Wagner Road, #400
 Ann Arbor, MI 48103

General Information

Name Colostrum Gummies Raspberry
 Lot -
 Notes -

Date Received	2025-12-22	Assay	Heavy Metals
Date Tested	2025-12-29	Method	LLMTDA
Test	31982	Location	In-house
Order	3638	Serving Size	6.0 grams

Analyte	LOQ	Limit	Result	Status
Arsenic	0.7 ppb	1666.67 ppb	3.96 ppb (0.023761 µg/serving)	In-spec
Cadmium	0.13 ppb	683.33 ppb	0.63 ppb (0.003752 µg/serving)	In-spec
Lead	1.98 ppb	83.33 ppb	24.49 ppb (0.146942 µg/serving)	In-spec
Mercury	0.76 ppb	50 ppb	ND	In-spec

LLMTDA is a method developed at Light Labs, Ann Arbor MI to test heavy metals in food and dietary supplement products. The method is modified from FDA EAM 4.7 and uses similar sample preparation and analytical techniques to those described in EAM. Microwave assisted digestion in mineral acids is used to prepare samples for heavy metal analysis by triple quadrupole inductively coupled plasma mass spectrometry (ICP-MS/MS). LLMTDA is part of Light Labs' scope of ISO 17025 accredited methods.

Results Approved By


Principal Scientist
 Date Released: 12/29/2025



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Date Received	2025-12-22	Assay	Bisphenol A (BPA) / Bisphenol S (BPS)
Date Tested	2025-12-30	Method	LC-MS/MS / LLMTDB
Test	31983	Location	In-house
Order	3638	Serving Size	6.0 grams

Analyte	LOQ (ppb)	Limit (ppb)	Concentration	Status
Bisphenol A (BPA)	0.5		ND	
Bisphenol S (BPS)	0.5		ND	
Bisphenol F (BPF)	0.5		ND	

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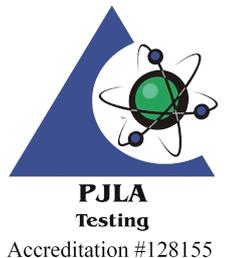
Date Received	2025-12-22	Assay	Glyphosate / AMPA
Date Tested	2025-12-24	Method	LC-MS/MS / LLMTDC
Test	31984	Location	In-house
Order	3638	Serving Size	6.0 grams

Analyte	LOQ (ppb)	Limit (ppb)	Concentration (ppb)	Concentration (µg/serving)	Status
Glyphosate	20.63		ND		
AMPA	20.63		ND		

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Principal Scientist
Date Released: 12/24/2025



Certificate of Analysis

Sample Description: Colostrum Gummies, Raspberry (LLTID31985)
 Sample ID: 2601236-01
 Units: Microplastic particle (MP)
 Size range: 15-500 µm (All particles for sizing are assumed to be spherical with averages shown)
 Sample Mass Prepared: 1.24 g
 Portion of Sample Preparation Analyzed: 1/15th

Microplastic Identity	Counts	Diameter (µm)
Acrylates	0	0.0
Acrylonitrile Butadiene Styrene (ABS)	0	0.0
Alkyd Varnish	0	0.0
Ethylene Vinyl Acetate (EVA)	0	0.0
Polyacetal	0	0.0
Polylactic Acid	0	0.0
Polyamide (Synthetic)	0	0.0
Polybutadiene	0	0.0
Polycaprolactone	0	0.0
Polycarbonate	0	0.0
Polyether	0	0.0
Polyethylene	0	0.0
Polyethylene Chlorinated	0	0.0
Polyethylene Terephthalate	0	0.0
Polyimide	0	0.0
Polyisoprene Chlorinated	0	0.0
Polymethyl Methacrylate	0	0.0
Polyoxymethylene	0	0.0
Polypropylene	0	0.0
Polystyrene	0	0.0
Polysulfone	0	0.0
Polytetrafluoroethylene	12	24.6
Polyurethane	0	0.0
Polyvinyl Alcohol	0	0.0
Polyvinyl Chloride	0	0.0
Rubber	0	0.0
Silicone	0	0.0

Microplastic Particles: 12 MP/gram

Digest Blank Report

Sample Description: Digest Blank for sample (2601236-01)

Sample ID: Digest Blank

Units: Microplastic particle (MP)

Size range: 15-500 µm (All particles for sizing are assumed to be spherical with averages shown)

Microplastic Identity	Counts	Diameter (µm)
Acrylates	0	0.0
Acrylonitrile Butadiene Styrene (ABS)	0	0.0
Alkyd Varnish	0	0.0
Ethylene Vinyl Acetate (EVA)	0	0.0
Polyacetal	0	0.0
Polylactic Acid	0	0.0
Polyamide (Synthetic)	1	26.5
Polybutadiene	0	0.0
Polycaprolactone	0	0.0
Polycarbonate	0	0.0
Polyether	0	0.0
Polyethylene	0	0.0
Polyethylene Chlorinated	0	0.0
Polyethylene Terephthalate	0	0.0
Polyimide	0	0.0
Polyisoprene Chlorinated	0	0.0
Polymethyl Methacrylate	0	0.0
Polyoxymethylene	0	0.0
Polypropylene	0	0.0
Polystyrene	0	0.0
Polysulfone	0	0.0
Polytetrafluoroethylene	0	0.0
Polyurethane	0	0.0
Polyvinyl Alcohol	0	0.0
Polyvinyl Chloride	0	0.0
Rubber	1	19.1
Silicone	0	0.0

Microplastic Particles: 2 MP/gram

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General Information

Name Colostrum Gummies, Raspberry
 Lot No Lot Specified
 Notes

Date Received 2025-12-22
 Date Tested 2026-01-23
 Test 31986
 Order 3638

Assay Pesticides
 Method USDA NOP
 Location Outsourced
 Serving Size 6.0g

Analyte	LOQ	Specification	Result	Status
Acephate	-	Non-Detect	ND	In-Spec
Acetamiprid	-	Non-Detect	ND	In-Spec
Acetochlor	-	Non-Detect	ND	In-Spec
Aldicarb	-	Non-Detect	ND	In-Spec
Aldicarb Sulfone	-	Non-Detect	ND	In-Spec
Aldicarb Sulfoxide	-	Non-Detect	ND	In-Spec
Allethrin	-	Non-Detect	ND	In-Spec
Atrazine	-	Non-Detect	ND	In-Spec
Azinphos Methyl	-	Non-Detect	ND	In-Spec
Azoxystrobin	-	Non-Detect	ND	In-Spec
BHC-Alpha	-	Non-Detect	ND	In-Spec
Bendiocarb	-	Non-Detect	ND	In-Spec
Bifenazate	-	Non-Detect	ND	In-Spec
Bifenthrin	-	Non-Detect	ND	In-Spec
Bitertanol	-	Non-Detect	ND	In-Spec
Boscalid	-	Non-Detect	ND	In-Spec
Bromacil	-	Non-Detect	ND	In-Spec
Buprfezin	-	Non-Detect	ND	In-Spec
Captan	-	Non-Detect	ND	In-Spec
Carbaryl	-	Non-Detect	ND	In-Spec

Results Approved By



Lev Spivak-Birndorf
 Lab Director

Date Released: January 23, 2026 10:45pm

Analyte	LOQ	Specification	Result	Status
Carbendazim (MBC)	-	Non-Detect	ND	In-Spec
Carbofuran	-	Non-Detect	ND	In-Spec
Chlorantraniliprole	-	Non-Detect	ND	In-Spec
Chlordane, cis-	-	Non-Detect	ND	In-Spec
Chlordane, trans-	-	Non-Detect	ND	In-Spec
Chlorfenapyr	-	Non-Detect	ND	In-Spec
Chlorothalonil	-	Non-Detect	ND	In-Spec
Chlorpropham	-	Non-Detect	ND	In-Spec
Chlorpyrifos	-	Non-Detect	ND	In-Spec
Chlorpyrifos Methyl	-	Non-Detect	ND	In-Spec
Clofentezine	-	Non-Detect	ND	In-Spec
Clothianidin	-	Non-Detect	ND	In-Spec
Coumaphos	-	Non-Detect	ND	In-Spec
Cyazofamid	-	Non-Detect	ND	In-Spec
Cycloate	-	Non-Detect	ND	In-Spec
Cyfluthrin	-	Non-Detect	ND	In-Spec
Cyhalothrin, L-	-	Non-Detect	ND	In-Spec
Cypermethrin	-	Non-Detect	ND	In-Spec
Cyprodinil	-	Non-Detect	ND	In-Spec
Cyromazine	-	Non-Detect	ND	In-Spec
DCPA	-	Non-Detect	ND	In-Spec
DDD o,p'	-	Non-Detect	ND	In-Spec
DDD p,p'	-	Non-Detect	ND	In-Spec
DDE o,p'	-	Non-Detect	ND	In-Spec
DDE p,p'	-	Non-Detect	ND	In-Spec
DDT o,p'	-	Non-Detect	ND	In-Spec
DDT p,p'	-	Non-Detect	ND	In-Spec
DEF (Tribufos)	-	Non-Detect	ND	In-Spec
Deltamethrin (includes Tralomethrin)	-	Non-Detect	ND	In-Spec
Diazinon	-	Non-Detect	ND	In-Spec
Diazinon Oxygen Analog	-	Non-Detect	ND	In-Spec
Dichlorvos (DDVP)	-	Non-Detect	ND	In-Spec

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Analyte	LOQ	Specification	Result	Status
Dicloran	-	Non-Detect	ND	In-Spec
Dicofol o,p'	-	Non-Detect	ND	In-Spec
Dicofol p,p' (Kelthane)	-	Non-Detect	ND	In-Spec
Dieldrin	-	Non-Detect	ND	In-Spec
Difenoconazole	-	Non-Detect	ND	In-Spec
Diffubenzuron	-	Non-Detect	ND	In-Spec
Dimethoate	-	Non-Detect	ND	In-Spec
Diphenamid	-	Non-Detect	ND	In-Spec
Diphenylamine (DPA)	-	Non-Detect	ND	In-Spec
Disulfoton	-	Non-Detect	ND	In-Spec
Disulfoton Sulfone	-	Non-Detect	ND	In-Spec
Diuron	-	Non-Detect	ND	In-Spec
Endosulfan I	-	Non-Detect	ND	In-Spec
Endosulfan II	-	Non-Detect	ND	In-Spec
Endosulfan Sulfate	-	Non-Detect	ND	In-Spec
Endrin	-	Non-Detect	ND	In-Spec
Esfenvalerate	-	Non-Detect	ND	In-Spec
Ethion	-	Non-Detect	ND	In-Spec
Ethoprop	-	Non-Detect	ND	In-Spec
Ethoxyquin	-	Non-Detect	ND	In-Spec
Etoxazole	-	Non-Detect	ND	In-Spec
Famoxadone	-	Non-Detect	ND	In-Spec
Fenamidone	-	Non-Detect	ND	In-Spec
Fenamiphos	-	Non-Detect	ND	In-Spec
Fenamiphos Sulfone	-	Non-Detect	ND	In-Spec
Fenarimol	-	Non-Detect	ND	In-Spec
Fenbuconazole	-	Non-Detect	ND	In-Spec
Fenhexamid	-	Non-Detect	ND	In-Spec
Fenpropathrin	-	Non-Detect	ND	In-Spec
Fenpyroximate	-	Non-Detect	ND	In-Spec
Fenthion	-	Non-Detect	ND	In-Spec
Fenvalerate	-	Non-Detect	ND	In-Spec

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Analyte	LOQ	Specification	Result	Status
Fipronil	-	Non-Detect	ND	In-Spec
Fonicamid	-	Non-Detect	ND	In-Spec
Fludioxonil	-	Non-Detect	ND	In-Spec
Fluoxastrobin	-	Non-Detect	ND	In-Spec
Fluridone	-	Non-Detect	ND	In-Spec
Flutolanil	-	Non-Detect	ND	In-Spec
Fluvalinate	-	Non-Detect	ND	In-Spec
Folpet	-	Non-Detect	ND	In-Spec
Fonofos	-	Non-Detect	ND	In-Spec
Formetanate Hydrochloride	-	Non-Detect	ND	In-Spec
Heptachlor Epoxide	-	Non-Detect	ND	In-Spec
Hexachlorobenzene (HCB)	-	Non-Detect	ND	In-Spec
Hexaconazole	-	Non-Detect	ND	In-Spec
Hexythiazox	-	Non-Detect	ND	In-Spec
Hydroxycarbofuran, 3-	-	Non-Detect	ND	In-Spec
Imazalil	-	Non-Detect	ND	In-Spec
Imidacloprid	-	Non-Detect	ND	In-Spec
Indoxacarb	-	Non-Detect	ND	In-Spec
Iprodione	-	Non-Detect	ND	In-Spec
Lindane (BHC-gamma)	-	Non-Detect	ND	In-Spec
Linuron	-	Non-Detect	ND	In-Spec
MGK-264	-	Non-Detect	ND	In-Spec
Malathion	-	Non-Detect	ND	In-Spec
Malathion Oxygen Analog	-	Non-Detect	ND	In-Spec
Metalaxyl	-	Non-Detect	ND	In-Spec
Methamidophos	-	Non-Detect	ND	In-Spec
Methidathion	-	Non-Detect	ND	In-Spec
Methiocarb	-	Non-Detect	ND	In-Spec
Methomyl	-	Non-Detect	ND	In-Spec
Methoxychlor Total	-	Non-Detect	ND	In-Spec
Methoxyfenozide	-	Non-Detect	ND	In-Spec
Metolachlor	-	Non-Detect	ND	In-Spec

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Analyte	LOQ	Specification	Result	Status
Metribuzin	-	Non-Detect	ND	In-Spec
Mevinphos Total	-	Non-Detect	ND	In-Spec
Myclobutanil	-	Non-Detect	ND	In-Spec
Naled	-	Non-Detect	ND	In-Spec
Naphthol, 1-	-	Non-Detect	ND	In-Spec
Napropamide	-	Non-Detect	ND	In-Spec
Nonachlor, cis-	-	Non-Detect	ND	In-Spec
Nonachlor, trans-	-	Non-Detect	ND	In-Spec
Omethoate	-	Non-Detect	ND	In-Spec
Oxadixyl	-	Non-Detect	ND	In-Spec
Oxamyl	-	Non-Detect	ND	In-Spec
Parathion Methyl	-	Non-Detect	ND	In-Spec
Pendimethalin	-	Non-Detect	ND	In-Spec
Pentachloroaniline (PCA)	-	Non-Detect	ND	In-Spec
Pentachlorobenzene (PCB)	-	Non-Detect	ND	In-Spec
Permethrin Total	-	Non-Detect	ND	In-Spec
Phenylphenol, O-	-	Non-Detect	ND	In-Spec
Phorate Sulfone	-	Non-Detect	ND	In-Spec
Phorate Sulfoxide	-	Non-Detect	ND	In-Spec
Phosalone	-	Non-Detect	ND	In-Spec
Phosmet	-	Non-Detect	ND	In-Spec
Piperonyl Butoxide	-	Non-Detect	ND	In-Spec
Pirimiphos Methyl	-	Non-Detect	ND	In-Spec
Primicarb	-	Non-Detect	ND	In-Spec
Prochloraz	-	Non-Detect	ND	In-Spec
Procymidone	-	Non-Detect	ND	In-Spec
Prometryn	-	Non-Detect	ND	In-Spec
Pronamide	-	Non-Detect	ND	In-Spec
Propargite	-	Non-Detect	ND	In-Spec
Propiconazole	-	Non-Detect	ND	In-Spec
Pymetrozine	-	Non-Detect	ND	In-Spec
Pyraclostrobin	-	Non-Detect	ND	In-Spec

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Analyte	LOQ	Specification	Result	Status
Pyridaben	-	Non-Detect	ND	In-Spec
Pyrimethanil	-	Non-Detect	ND	In-Spec
Pyriproxyfen	-	Non-Detect	ND	In-Spec
Quinoxifen	-	Non-Detect	ND	In-Spec
Quintozene (PCNB)	-	Non-Detect	ND	In-Spec
Resmethrin	-	Non-Detect	ND	In-Spec
Simazine	-	Non-Detect	ND	In-Spec
Spinetoram	-	Non-Detect	ND	In-Spec
Spiromesifen	-	Non-Detect	ND	In-Spec
Sulfentrazone	-	Non-Detect	ND	In-Spec
Tebuconazole	-	Non-Detect	ND	In-Spec
Tebufenozide	-	Non-Detect	ND	In-Spec
Tetrachlorvinphos	-	Non-Detect	ND	In-Spec
Tetradifon	-	Non-Detect	ND	In-Spec
Tetrahydrophthalimide (THPI)	-	Non-Detect	ND	In-Spec
Thiabendazole	-	Non-Detect	ND	In-Spec
Thiacloprid	-	Non-Detect	ND	In-Spec
Thiamethoxam	-	Non-Detect	ND	In-Spec
Thiobencarb	-	Non-Detect	ND	In-Spec
Thiodicarb	-	Non-Detect	ND	In-Spec
Triadimefon	-	Non-Detect	ND	In-Spec
Triadimenol	-	Non-Detect	ND	In-Spec
Trifloxystrobin	-	Non-Detect	ND	In-Spec
Triflumizole	-	Non-Detect	ND	In-Spec
Trifluralin	-	Non-Detect	ND	In-Spec
Vinclozolin	-	Non-Detect	ND	In-Spec

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