



12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794

**Report Number:** 23-005500/D003.R000  
**Report Date:** 05/16/2023  
**Purchase Order:**  
**Received:** 05/08/23 09:17 AM



**Customer:** Analytical Resource Lab  
520 South 850 East, STE B3  
Lehi Utah 84043  
United States of America (USA)

**Sample ID:** 675750 Brain Health 8 Lot: 23060

**Sample Matrix:** Supplement

**Laboratory ID:** 23-005500-0004-00

**Evidence of Cooling:** No

**Temp:** 19 °C

**Relinquished by:** Fedex

### Sample Results

#### Pesticides

##### Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Multi-Residue Pesticide Profile	< LOQ for all analytes	mg/kg	05/15/23	AOAC 2007.01 & EN 15662 (mod) <sup>p</sup>	

##### Abbreviations

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

<sup>p</sup> = ISO/IEC 17025:2017 accredited method.

##### Units of Measure

mg/kg = Milligram per kilogram = parts per million (ppm)

Approved Signatory

Derrick Tanner  
General Manager

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**P2220 Multi-Residue Pesticide Profile**

Analyte	LOQ (mg/kg)
1, NAA	0.01
2,4,5-T	0.01
2,4,5-TP	0.01
2,4-D	0.01
2,4-DB	0.01
2,4-DP (Dichlorprop)	0.01
Abamectin (Avermectin)	0.01
Acephate	0.02
Acequinocyl	0.01
Acetamiprid	0.01
Acetochlor	0.02
Acifluorfen	0.01
Acrinathrin	0.01
Alachlor	0.02
Aldicarb	0.01
Aldicarb sulfone (Aldoxycarb)	0.01
Aldicarb-sulfoxide	0.01
Aldrin	0.01
Ametoctradin	0.01
Ametryn	0.01
Aminocyclopyrachlor	0.01
Anilazine	0.03
Aspon	0.01
Asulam	0.01
Atrazine	0.01
Atrazine-desethyl	0.01
Azinphos-ethyl	0.01
Azinphos-methyl	0.01
Azoxystrobin	0.01
Benalaxyl	0.01
Bendiocarb	0.01
Benfluralin	0.01
Benoxacor	0.01
Bensulide	0.01
Bentazon	0.01
Benzovindiflupyr	0.01
BHC alpha isomer	0.01
BHC beta isomer	0.01
BHC delta isomer	0.01
Bifenazate	0.01
Bifenox	0.01
Bifenthrin	0.01
Binapacryl	0.04
Bioresmethrin	0.01
Bitertanol	0.02
Boscalid	0.01
Broflanilide	0.01
Bromacil	0.02
Bromophos-methyl	0.01
Bromophos-ethyl	0.02
Bromopropylate	0.01
Bromoxynil	0.01
Bromuconazole	0.01
Bupirimate	0.01

Analyte	LOQ (mg/kg)
Buprofezin	0.01
Butachlor	0.01
Butoxycarb	0.01
Butralin	0.02
Butylate	0.01
Cadusafos	0.01
Captafol	0.1
Captan	0.02
Carbaryl	0.01
Carbendazim	0.01
Carbofuran	0.01
Carbofuran, 3-hydroxy	0.01
Carbophenothion	0.01
Carbophenothion methyl	0.01
Carboxin	0.01
Carfentrazone-ethyl	0.01
Chlorantraniliprole	0.01
Chlordane, cis-	0.01
Chlordane, trans-	0.01
Chlordimeform	0.01
Chlorfenapyr	0.02
Chlorfenson (Ovex)	0.01
Chlorfenvinphos	0.01
Chlorimuron-ethyl	0.01
Chlornitrofen (CNP)	0.02
Chlorobenzilate	0.01
Chloroneb	0.01
Chlorothalonil	0.04
Chlorpropham (CIPC)	0.01
Chlorpyrifos (ethyl)	0.01
Chlorpyrifos-methyl	0.01
Chlorsulfuron	0.01
Chlorthal-dimethyl (Dacthal)	0.01
Chlorthion	0.02
Chlorthiophos	0.01
Clethodim	0.01
Clethodim sulfone	0.01
Clethodim sulfoxide	0.01
Clofentezine	0.01
Clomazone	0.01
Clopyralid	0.01
Clothianidin	0.01
Coumaphos	0.01
Crotoxyphos	0.01
Cyanazine	0.01
Cyanofenphos	0.01
Cyanophos	0.04
Cyantraniliprole	0.01
Cyazofamid	0.01
Cycloate	0.01
Cycloxydim	0.01
Cyfluthrin	0.03
Cyhalothrin, lambda	0.01
Cymoxanil	0.01

Analyte	LOQ (mg/kg)
Cypermethrin	0.01
Cyprodinil	0.01
Cyromazine	0.01
DCPMU	0.01
DDD, o,p'-	0.01
DDD, p,p'-	0.01
DDE, o,p'-	0.01
DDE, p,p'-	0.01
DDT, o,p'-	0.01
DDT, p,p'-	0.01
DEF (Tribufos)	0.01
Deltamethrin	0.01
Demeton-S	0.02
Demeton-S methyl-sulfone	0.02
Demeton-s-methyl	0.02
Desmedipham	0.01
Diallate	0.01
Diazinon	0.01
Diazoxon	0.01
Dicamba (Banvel)	0.01
Dichlobenil	0.01
Dichlofenthion	0.01
Dichlofluanid	0.01
Dichlorobenzamide	0.01
Dichlorvos	0.01
Diclobutrazol	0.01
Diclofop (acid)	0.01
Diclofop-methyl	0.01
Dicloran	0.04
Dicofol, p,p'-/o,p'-	0.02
Dicrotophos	0.01
Dieldrin	0.01
Diethofencarb	0.01
Diethyltoluamide (DEET)	0.01
Difenoconazole	0.01
Diflubenzuron	0.01
Diffuzopyr	0.01
Dimethenamid	0.01
Dimethoate	0.01
Dimethomorph	0.01
Diniconazole	0.01
Dinocap	0.01
Dinoseb (Dinitro)	0.01
Dinotefuran	0.01
Dioxathion	0.01
Diphenamid	0.01
Diphenylamine (DPA)	0.01
Disulfoton	0.02
Disulfoton sulfone	0.01
Disulfoton sulfoxide	0.01
Dithianon	0.01
Dithiopyr	0.01
Diuron	0.01
DNOC	0.01

LOQ= Limit of Quantitation  
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**P2220 Multi-Residue Pesticide Profile**

Analyte	LOQ (mg/kg)
Edifenphos	0.01
Endosulfan (α isomer)	0.02
Endosulfan (β isomer)	0.02
Endosulfan sulfate	0.01
Endrin	0.02
Endrin aldehyde	0.02
EPN	0.01
EPTC	0.01
Esfenvalerate/Fenvalerate	0.02
Etaconazole	0.01
Ethaboxam	0.01
Ethalfuralin	0.01
Ethiofencarb	0.01
Ethion	0.01
Ethirimol	0.01
Ethofumesate	0.01
Ethoprophos	0.01
Ethoxyquin	0.01
Etofenprox	0.01
Etoxazole	0.01
Etridiazole	0.01
Etrimfos	0.01
Famoxadone	0.02
Famphur	0.01
Fenamidone	0.01
Fenamiphos	0.01
Fenamiphos Sulfone	0.01
Fenamiphos Sulfoxide	0.01
Fenarimol	0.01
Fenazaquin	0.01
Fenbuconazole	0.01
Fenbutatin oxide	0.01
Fenchlorphos	0.01
Fenhexamid	0.01
Fenitrothion	0.01
Fenobucarb (Baycarb)	0.01
Fenoxaprop-P-Ethyl	0.01
Fenoxycarb	0.01
Fenproprathrin	0.01
Fenpyroximate	0.01
Fenson	0.02
Fensulfthion	0.01
Fenthion	0.01
Fenuron	0.01
Fipronil	0.01
Fonicamid	0.01
Fluazifop	0.01
Fluazinam	0.01
Fluchloralin	0.01
Flucythrinate	0.03
Fludioxonil	0.01
Flufenacet	0.01
Flumioxazin	0.01
Fluometuron	0.01

Analyte	LOQ (mg/kg)
Fluopicolide	0.01
Fluopyram	0.01
Fluoxastrobin	0.01
Flupyradifurone	0.01
Fluprimidol	0.01
Fluridone	0.01
Fluroxypyr (free acid)	0.01
Flusilazol	0.01
Fluthiacet Methyl	0.01
Flutolanil	0.01
Flutriafol	0.01
Fluvalinate -tau	0.01
Fluxapyroxad	0.01
Folpet	0.02
Fomesafen	0.01
Fonofos	0.01
Foramsulfuron	0.01
Forchlorfenuron	0.01
Formetanate	0.01
Furathiocarb	0.01
Halosulfuron-methyl	0.01
Haloxyfop (free acid)	0.01
Heptachlor	0.01
Heptachlor epoxide	0.01
Hexachlorobenzene (HCB)	0.01
Hexaconazole	0.01
Hexazinone (Velpar)	0.01
Hexythiazox	0.01
Hydroprene	0.01
Imazalil	0.01
Imazamox	0.01
Imazapic	0.01
Imazapyr	0.01
Imazaquin	0.01
Imazethapyr	0.01
Imidacloprid	0.01
Imidoxone (Phosmet-Oxon)	0.01
Indaziflam	0.01
Indoxacarb	0.01
Iprobenfos	0.01
Iprodione	0.02
Isazophos	0.01
Isobenzan	0.01
Isocarbophos	0.01
Isodrin	0.01
Isofenphos	0.01
Isofenphos-methyl	0.01
Isofenphos-OA	0.01
Isoprocarb	0.01
Isopropalin	0.01
Isoprothiolane	0.01
Isoproturon	0.01
Isoxaben	0.01
Isoxaflutole	0.01

Analyte	LOQ (mg/kg)
Kresoxim-methyl	0.01
Lactofen	0.02
Lenacil	0.01
Lindane	0.01
Linuron	0.01
Malaoxon (Malathion-o-analog)	0.01
Malathion	0.01
Mandipropamid	0.01
MCPA	0.01
MCPB	0.01
MCPP (Mecoprop)	0.01
Mecarbam	0.01
Mefenrillfluconazole	0.01
Mepanipyrim	0.01
Mesosulfuron Methyl	0.01
Mesotrione	0.01
Metalaxyl/Mefenoxam	0.01
Metconazole	0.01
Methacrifos	0.01
Methamidophos	0.01
Methidathion	0.01
Methiocarb	0.01
Methiocarb sulfone	0.01
Methiocarb sulfoxide	0.01
Methomyl	0.01
Methoxychlor	0.01
Methoxyfenozide	0.01
Metobromuron	0.01
Metolachlor	0.01
Metolcarb	0.01
Metrafenone	0.01
Metribuzin	0.01
Metsulfuron-methyl	0.01
Mevinphos	0.01
Mexacarbate	0.01
MGK-264	0.01
Mirex	0.01
Molinate	0.01
Monocrotophos	0.01
Monolinuron	0.01
Myclobutanil	0.01
Naled	0.01
Napropamide	0.01
Neburon	0.01
Nicosulfuron	0.01
Nitrapyrin	0.02
Nitrofen	0.02
Norflurazon	0.01
Novaluron	0.01
Nuarimol	0.02
Omethoate	0.01
O-Phenylphenol	0.01
Oryzalin	0.01
Oxadiazon	0.01

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Analyte	LOQ (mg/kg)
Oxadixyl	0.01
Oxamyl	0.01
Oxamyl-oxime	0.01
Oxathiapiprolin	0.01
Oxychlorane	0.01
Oxydemeton-Methyl	0.01
Oxyfluorfen	0.01
Oxythioquinox	0.02
Pacllobutrazol	0.01
Paraoxon-ethyl	0.01
Paraoxon-methyl	0.01
Parathion-ethyl	0.01
Parathion-methyl	0.03
PCP (Pentachlorophenol)	0.01
Penconazole	0.01
Pendimethalin	0.01
Penflufen	0.01
Pentachloroaniline (PCA)	0.01
Pentachloroanisole	0.01
Pentachlorobenzene (PCB)	0.01
Pentachlorothioanisole (PCTA)	0.03
Penthiopyrad	0.01
Permethrin	0.01
Perthane	0.01
Phenmedipham	0.01
Phenothrin	0.01
Phenthoate	0.01
Phorate	0.01
Phorate OA	0.01
Phorate Sulfone	0.01
Phorate Sulfoxide	0.01
Phosalone	0.01
Phosmet	0.01
Phosphamidon	0.01
Phoxim	0.01
Phthalimide	0.02
Picloram	0.01
Pinoxaden	0.01
Piperonyl Butoxide	0.01
Pirimicarb	0.01
Pirimiphos-Ethyl	0.01
Pirimiphos-Methyl	0.01
Pirimisulfuron-Methyl	0.01
Prallethrin	0.01
Prochloraz	0.01
Procymidone	0.01
Prodiamine	0.01
Profenofos	0.01
Profluralin	0.01
Promecarb	0.01
Prometon	0.01
Prometryne	0.01
Pronamide (Propyzamide)	0.01
Propachlor	0.01

Analyte	LOQ (mg/kg)
Propamocarb	0.01
Propanil	0.01
Propargite	0.01
Propazine	0.01
Propetamphos	0.01
Propham	0.01
Propiconazole	0.01
Propoxur	0.01
Propoxycarbazone sodium	0.01
Prosulfuron	0.01
Prothioconazole	0.01
Prothiofos	0.01
Pydiflumetofen	0.01
Pymetrozine	0.01
Pyraclostrobin	0.01
Pyraflufen-ethyl	0.01
Pyrazophos	0.01
Pyrethrins	0.01
Pyridaben	0.01
Pyridate	0.01
Pyrifluquinazon	0.01
Pyrimethanil	0.01
Pyriproxifen	0.01
Pyroxasulfone	0.01
Pyrosulam	0.01
Quinalphos	0.01
Quinclorac	0.01
Quinoxifen	0.01
Quintozene(PCNB)	0.01
Quizalofop (free acid)	0.01
Resmethrin	0.01
Rimsulfuron	0.01
Rotenone	0.01
S-421	0.01
Saflufenacil	0.01
Sebutylazine	0.01
Sedaxane	0.01
Sethoxydim	0.01
Simazine	0.01
Simetryn	0.01
Spinetoram	0.01
Spinosad ( $\alpha, \beta$ isomers)	0.01
Spirodiclofen	0.01
Spiromesifen	0.01
Spirotetramat	0.01
Spirotetramat-enol	0.01
Spiroxamine	0.01
Sulfallate	0.01
Sulfentrazone	0.03
Sulfometuron-methyl	0.01
Sulfosulfuron	0.01
Sulfotep	0.01
Sulfoxaflor	0.01
Sulprofos	0.01

Analyte	LOQ (mg/kg)
Tebuconazole	0.01
Tebufenozide	0.01
Tebuthiuron	0.01
Tecnazene	0.01
Tefluthrin	0.01
Tembotrione	0.01
Terbacil	0.04
Terbufos	0.01
Terbufos sulfone	0.01
Terbufos sulfoxide	0.01
Terbutylazine	0.01
Terbutryn	0.01
Tertrachlorvinphos	0.01
Tetraconazole	0.01
Tetradifon	0.01
Tetramethrin	0.01
Tetrasul	0.01
Thiabendazole	0.01
Thiabendazole, 5-hydroxy	0.01
Thiacloprid	0.01
Thiamethoxam	0.01
Thifensulfuron-methyl	0.01
Thiobencarb (benthiocarb)	0.01
Thiodicarb	0.01
Thiometon	0.02
Thionazin	0.01
Thiophanate-methyl	0.01
Tolclofos-methyl	0.01
Tolfenpyrad	0.01
Tolyfluanid	0.01
Topramezone	0.01
Tralkoxydim	0.01
Triadimefon	0.01
Triadimenol	0.01
Tri-allate	0.01
Triasulfuron	0.01
Triazophos	0.01
Tribenuron-methyl	0.01
Trichlorfon	0.01
Triclopyr	0.02
Trifloxystrobin	0.01
Trifloxysulfuron -sodium	0.01
Triflumizole	0.01
Trifluralin	0.01
Triflurosulfuron-methyl	0.01
Triforin	0.01
Trinexapac (acid)	0.01
Trinexapac Ethyl	0.01
Triticonazole	0.01
Vinclozolin	0.01
Zoxamide	0.01

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Updated: 12.29.2022