



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

Report Number: 21-005237/D002.R00
Report Date: 05/19/2021
Purchase Order:
Received: 05/11/21 10:30 AM



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

Sample ID: 414671 Clean Multi-Collagens Lot 18545

Sample Matrix: Supplement

Laboratory ID: 21-005237-0003-00

Evidence of Cooling: No

Temp: 20 °C

Relinquished by: UPS

Sample Results

Individual Analyses

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Glyphosate	< LOQ	mg/kg	0.0500	05/17/21	QuPPE-method, EURL-SRM, Version 7, Dec 2012	

Pesticides

Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Multi-Residue Pesticide Profile	< LOQ for all analytes	mg/kg	05/18/21	AOAC 2007.01 & EN 15662 (mod)	

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.

Units of Measure

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

Approved Signatory

Derrick Tanner
 General Manager



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Columbia Laboratories, Inc
 P2220 Multi-Residue Profile, Limits of Quantitation (MDL Sheet)

CFL-E65 R0.00
 Effective 1/22/2021

Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)
2,4,5-T	0.010	Butachlor	0.010	Cymoxanil	0.010
2,4,5-TP	0.010	Butralin	0.020	Cypermethrin	0.010
2,4-D	0.010	Butylate	0.010	Cyprodinil	0.010
2,4-DB	0.010	Cadusafos	0.010	Cyromazine	0.010
2,4-DP (Dichlorprop)	0.010	Captafol	0.100	DCPMU	0.010
Abamectin (Avermectin)	0.010	Captan	0.020	DDD, o,p'-	0.010
Acephate	0.020	Carbaryl	0.010	DDD, p,p'-	0.010
Acequinocyl	0.010	Carbendazim	0.010	DDE, o,p'-	0.010
Acetamiprid	0.010	Carbofuran	0.010	DDE, p,p'-	0.010
Acetochlor	0.020	Carbofuran, 3-hydroxy	0.010	DDT, o,p'-	0.010
Acifluorfen	0.010	Carbophenothion	0.010	DDT, p,p'-	0.010
Acrinathrin	0.010	Carbophenothion methyl	0.010	DEF (Tribufos)	0.010
Alachlor	0.020	Carboxin	0.010	Deltamethrin	0.010
Aldicarb	0.010	Carfentrazone-ethyl	0.010	Demeton-S	0.020
Aldicarb sulfone (Aldoxy carb)	0.010	Chlorantraniliprole	0.010	Demeton-S methyl-sulfone	0.020
Aldicarb-sulfoxide	0.010	Chlordane, cis-	0.010	Demeton-s-methyl	0.020
Aldrin	0.010	Chlordane, trans-	0.010	Desmedipham	0.010
Ametoctradin	0.010	Chlordimeform	0.010	Diallate	0.010
Ametryn	0.010	Chlorfenapyr	0.020	Diazinon	0.010
Aminocyclopyrachlor	0.010	Chlorfenson (Ovex)	0.010	Diazoxon	0.010
Anilazine	0.030	Chlorfenvinphos	0.010	Dicamba (Banvel)	0.010
Aspon	0.010	Chlorimuron-ethyl	0.010	Dichlobenil	0.010
Asulam	0.010	Chlornitrofen (CNP)	0.020	Dichlofenthion	0.010
Atrazine	0.010	Chlorobenzilate	0.010	Dichlofluanid	0.010
Atrazine-desethyl	0.010	Chloroneb	0.010	Dichlorobenzamide	0.010
Azinphos-ethyl	0.010	Chlorothalonil	0.040	Dichlorvos	0.010
Azinphos-methyl	0.010	Chlorpropham (CIPC)	0.010	Diclobutrazol	0.010
Azoxystrobin	0.010	Chlorpyrifos (ethyl)	0.010	Diclofop (acid)	0.010
Benalaxyl	0.010	Chlorpyrifos-methyl	0.010	Diclofop-methyl	0.010
Bendiocarb	0.010	Chlorsulfuron	0.010	Dicloran	0.040
Benfluralin	0.010	Chlorthal-dimethyl (Dacthal)	0.010	Dicofol, p,p'-/o,p'-	0.020
Benoxacor	0.010	Chlorthion	0.020	Dicrotophos	0.010
Bensulide	0.010	Chlorthiophos	0.010	Dieldrin	0.010
Bentazon	0.010	Clethodim	0.010	Diethofencarb	0.010
BHC alpha isomer	0.010	Clethodim sulfone	0.010	Diethyltoluamide (DEET)	0.010
BHC beta isomer	0.010	Clethodim sulfoxide	0.010	Difenoconazole	0.010
BHC delta isomer	0.010	Clofentezine	0.010	Diffubenzuron	0.010
Bifenazate	0.010	Clomazone	0.010	Diffufenzopyr	0.010
Bifenox	0.010	Clopyralid	0.010	Dimethenamid	0.010
Bifenthrin	0.010	Clothianidin	0.010	Dimethoate	0.010
Binapacryl	0.040	Coumaphos	0.010	Dimethomorph	0.010
Bitertanol	0.020	Crotoxyphos	0.010	Diniconazole	0.010
Boscalid	0.010	Cyanazine	0.010	Dinocap	0.010
Bromacil	0.020	Cyanofenphos	0.010	Dinoseb (Dinitro)	0.010
Bromophos-methyl	0.010	Cyanophos	0.040	Dinotefuran	0.010
Bromophos-ethyl	0.020	Cyantraniliprole	0.010	Dioxathion	0.010
Bromopropylate	0.010	Cyazofamid	0.010	Diphenamid	0.010
Bromoxynil	0.010	Cycloate	0.010	Diphenylamine (DPA)	0.010
Bromuconazole	0.010	Cycloxydim	0.010	Disulfoton	0.020
Bupirimate	0.010	Cyfluthrin	0.030	Disulfoton sulfone	0.010
Buprofezin	0.010	Cyhalothrin, lambda	0.010	Disulfoton sulfoxide	0.010

LOQ = Limit of Quantitation, mg/kg: If an amount below this level is detected (and the identity confirmed), it may be reported as "Trace".
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Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)
Dithianon	0.010	Flufenacet	0.010	Isoxaflutole	0.010
Diuron	0.010	Flumioxazin	0.010	Kresoxim-methyl	0.010
DNOC	0.010	Fluometuron	0.010	Lactofen	0.020
Edifenphos	0.010	Fluopicolide	0.010	Lenacil	0.010
Endosulfan (α isomer)	0.020	Fluopyram	0.010	Lindane	0.010
Endosulfan (β isomer)	0.020	Fluoxastrobin	0.010	Linuron	0.010
Endosulfan sulfate	0.010	Flupyradifurone	0.010	Malaoxon (Malathion-o-analog)	0.010
Endrin	0.020	Fluridone	0.010	Malathion	0.010
Endrin aldehyde	0.020	Fluroxypyr (free acid)	0.010	Mandipropamid	0.010
EPN	0.010	Flusilazol	0.010	MCPA	0.010
EPTC	0.010	Fluthiacet Methyl	0.010	MCPB	0.010
Esfenvalerate/Fenvalerate	0.020	Flutolanil	0.010	MCP (Mecoprop)	0.010
Etaconazole	0.010	Flutriafol	0.010	Mecarbam	0.010
Ethalfuralin	0.010	Fluvalinate -tau	0.010	Mepanipyrim	0.010
Ethiofencarb	0.010	Fluxapyroxad	0.010	Mesosulfuron Methyl	0.010
Ethion	0.010	Folpet	0.020	Mesotrione	0.010
Ethirimol	0.010	Fomesafen	0.010	Metaxyl/Mefenoxam	0.010
Ethofumesate	0.010	Fonofos	0.010	Metconazole	0.010
Ethoprophos	0.010	Foramsulfuron	0.010	Methacrifos	0.010
Ethoxyquin	0.010	Forchlorfenuron	0.010	Methamidophos	0.010
Etofenprox	0.010	Formetanate	0.010	Methidathion	0.010
Etoxazole	0.010	Furathiocarb	0.010	Methiocarb	0.010
Etridiazole	0.010	Halosulfuron-methyl	0.010	Methiocarb sulfone	0.010
Etrimfos	0.010	Haloxypop (free acid)	0.010	Methiocarb sulfoxide	0.010
Famoxadone	0.020	Heptachlor & Heptachlor epoxide	0.010	Methomyl	0.010
Famphur	0.010	Hexachlorobenzene (HCB)	0.010	Methoxychlor	0.010
Fenamidone	0.010	Hexaconazole	0.010	Methoxyfenozide	0.010
Fenamiphos	0.010	Hexazinone (Velpar)	0.010	Metobromuron	0.010
Fenamiphos Sulfone	0.010	Hexythiazox	0.010	Metolachlor	0.010
Fenamiphos Sulfoxide	0.010	Hydroprene	0.010	Metolcarb	0.010
Fenarimol	0.010	Imazalil	0.010	Metrafenone	0.010
Fenazaquin	0.010	Imazamox	0.010	Metribuzin	0.010
Fenbuconazole	0.010	Imazapic	0.010	Metsulfuron-methyl	0.010
Fenbutatin oxide	0.010	Imazapyr	0.010	Mevinphos	0.010
Fenchlorphos	0.010	Imazaquin	0.010	Mexacarbate	0.010
Fenhexamid	0.010	Imazethapyr	0.010	MGK-264	0.010
Fenitrothion	0.010	Imidacloprid	0.010	Mirex	0.010
Fenobucarb (Baycarb)	0.010	Imidoxone (Phosmet-Oxon)	0.010	Molinate	0.010
Fenoxaprop-P-Ethyl	0.010	Indaziflam	0.010	Monocrotophos	0.010
Fenoxycarb	0.010	Indoxacarb	0.010	Monolinuron	0.010
Fenpropathrin	0.010	Iprobenfos	0.010	Myclobutanil	0.010
Fenpyroximate	0.010	Iprodione	0.020	Naled	0.010
Fenson	0.020	Isazophos	0.010	Napropamide	0.010
Fensulfthion	0.010	Isobenzan	0.010	Neburon	0.010
Fenthion	0.010	Isocarboxiphos	0.010	Nicosulfuron	0.010
Fenuron	0.010	Isodrin	0.010	Nitrapyrin	0.020
Fipronil	0.010	Isofenphos	0.010	Nitrofen	0.020
Flonicamid	0.010	Isofenphos-methyl/ OA	0.010	Norflurazon	0.010
Fluazifop	0.010	Isoprocarb	0.010	Novaluron	0.010
Fluazinam	0.010	Isopropalin	0.010	Nuarimol	0.020
Fluchloralin	0.010	Isoprothiolane	0.010	Omethoate	0.010
Flucythrinate	0.030	Isoproturon	0.010	O-Phenylphenol	0.010
Fludioxonil	0.010	Isoxaben	0.010	Oryzalin	0.010

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Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)
Compound	0.010	Propanil	0.010	Tembotrione	0.010
Oxadiazon	0.010	Propargite	0.010	Terbacil	0.040
Oxadixyl	0.010	Propazine	0.010	Terbufos	0.010
Oxamyl	0.010	Propetamphos	0.010	Terbufos sulfone	0.010
Oxamyl-oxime	0.010	Propham	0.010	Terbufos sulfoxide	0.010
Oxychloridane	0.010	Propiconazole	0.010	Terbutylazine	0.010
Oxydemeton-Methyl	0.010	Propoxur	0.010	Terbutryn	0.010
Oxyfluorfen	0.010	Propoxycarbazone sodium	0.010	Tetrachlorvinphos	0.010
Oxythioquinox	0.020	Prosulfuron	0.010	Tetraconazole	0.010
Paclobutrazol	0.010	Prothioconazole	0.010	Tetradifon	0.010
Paraoxon-methyl/ethyl	0.010	Prothiofos	0.010	Tetramethrin	0.010
Parathion-ethyl	0.010	Pymetrozine	0.010	Tetrasul	0.010
Parathion-methyl	0.030	Pyraclostrobin	0.010	Thiabendazole	0.010
PCP (Pentachlorophenol)	0.010	Pyraflufen-ethyl	0.010	Thiabendazole, 5-hydroxy	0.010
Penconazole	0.010	Pyrazophos	0.010	Thiacloprid	0.010
Pendimethalin	0.010	Pyrethrins	0.010	Thiamethoxam	0.010
Penflufen	0.010	Pyridaben	0.010	Thifensulfuron-methyl	0.010
Pentachloroaniline (PCA)	0.010	Pyridate	0.010	Thiobencarb (benthiocarb)	0.010
Pentachloroanisole	0.010	Pyrimethanil	0.010	Thiodicarb	0.010
Pentachlorobenzene (PCB)	0.010	Pyriproxifen	0.010	Thiometon	0.020
Pentachlorothioanisole (PCTA)	0.030	Pyroxasulfone	0.010	Thionazin	0.010
Penthiopyrad	0.010	Pyroxulam	0.010	Thiophanate-methyl	0.010
Permethrin	0.010	Quinalphos	0.010	Tolclofos-methyl	0.010
Perthane	0.010	Quinlorac	0.010	Tolfenpyrad	0.010
Phenmedipham	0.010	Quinoxifen	0.010	Tolyfluanid	0.010
Phenothrin	0.010	Quintozene(PCNB)	0.010	Topramezone	0.010
Phenthoate	0.010	Quizalofop (free acid)	0.010	Tralkoxydim	0.010
Phorate	0.010	Resmethrin	0.010	Triadimefon	0.010
Phorate OA	0.010	Rimsulfuron	0.010	Triadimenol	0.010
Phorate Sulfone	0.010	Rotenone	0.010	Tri-allate	0.010
Phorate Sulfoxide	0.010	S-421	0.010	Triasulfuron	0.010
Phosalone	0.010	Saflufenacil	0.010	Triazophos	0.010
Phosmet	0.010	Sebuthylazine	0.010	Tribenuron-methyl	0.010
Phosphamidon	0.010	Sethoxydim	0.010	Trichlorfon	0.010
Phoxim	0.010	Simazine	0.010	Triclopyr	0.020
Phthalimide	0.020	Simetryn	0.010	Trifloxystrobin	0.010
Picloram	0.010	Spinetoram	0.010	Trifloxysulfuron -sodium	0.010
Pinoxaden	0.010	Spinosad (α, β isomers)	0.010	Triflumizole	0.010
Piperonyl Butoxide	0.010	Spirodiclofen	0.010	Trifluralin	0.010
Pirimicarb	0.010	Spiromesifen	0.010	Triflusaluron-methyl	0.010
Pirimiphos-Ethyl	0.010	Spirotetramat	0.010	Triforin	0.010
Pirimiphos-Methyl	0.010	Spirotetramat-enol	0.010	Trinexapac (acid)	0.010
Pirimisulfuron-Methyl	0.010	Spiroxamine	0.010	Trinexapac Ethyl	0.010
Prallethrin	0.010	Sulfallate	0.010	Triticonazole	0.010
Prochloraz	0.010	Sulfentrazone	0.030	Vinclozolin	0.010
Procyimidone	0.010	Sulfometuron-methyl	0.010	Zoxamide	0.010
Prodiamine	0.010	Sulfosulfuron	0.010		
Profenofos	0.010	Sulfotep	0.010		
Profluralin	0.010	Sulfoxaflo	0.010		
Promecarb	0.010	Sulprofos	0.010		
Prometon	0.010	Tebuconazole	0.010		
Prometryne	0.010	Tebufenozide	0.010		
Pronamide (Propyzamide)	0.010	Tebuthiuron	0.010		
Propachlor	0.010	Tecnazene	0.010		
Propamocarb	0.010	Tefluthrin	0.010		

mg/kg = Parts per Million (ppm)

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LOQs above are typical of most analyses. Factors affecting the LOQ include instrumentation sensitivity for a particular analyte, sample size, moisture content (percent solids) of the sample, effectiveness of the cleanup on the sample extract, and especially the type of sample matrix.