



Analytical Resource Laboratories

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## Certificate of Analysis

### Client Information

**Organixx**  
297 Kingsbury Grade, Suite 1043 Mail Box 4470  
Stateline, NV 89449-4470  
USA

### Sample Information

ARL ID: 672320  
Date Received: 4/18/2023  
Date Tested: 5/2/2023  
Description: Clean Sourced Collagens  
Lot#: 23041

### Results

Analysis	Method	†MDL / LOQ	Specification	Results	UOM	Lab ID
<u>Heavy Metals</u>	ARL ICPMS 8.016					1
Arsenic (As)	ARL ICPMS 8.016	0.001	Record Only	0.011	ppm	1
Cadmium (Cd)	ARL ICPMS 8.016	0.001	Record Only	< 0.001	ppm	1
Mercury (Hg)	ARL ICPMS 8.016	0.001	Record Only	< 0.001	ppm	1
Lead (Pb)	ARL ICPMS 8.016	0.001	Record Only	0.004	ppm	1
Gluten Allergens (as Gliadin)	ARL 2.055	2.5	< 10	< 2.5	ppm	1
Soy Allergens	ELISA	2.5	< 2.5	< 2.5	ppm	1
Glyphosate (HPLC)	ARL 2.073	0.4	Record Only	< 0.4	%	1

#### †Method Detection Limit (MDL):

In microbiological testing, this is the minimum level of growth that can be detected with confidence. If a result is reported as "None Detected", it means any visible growth was below this limit.

#### †Limit of Quantitation (LOQ):

In analytical chemistry testing, this is the minimum level of the desired analyte that can be quantified with confidence. If a result is reported as less than LOQ, it means any detected amount was too small to report an exact number.

**Under accreditation number 77504, ARL is an ISO/IEC 17025:2017 Accredited Laboratory. Uncertainty data for ISO-scoped methods is available upon request. Certificate and scope are also available upon request.**

Form: arlcoa031201a Report: 672320

experience • professionalism • value

Released by: Spencer Ashby

Printed on: 5/2/2023 4:45:42 PM

Date Released: 5/2/2023

This Certificate of Analysis represents data only for the sample provided. It does not constitute a guarantee of quality for the entire production lot.

Page 1 of 1



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

**Report Number:** 23-004789/D002.R000  
**Report Date:** 04/27/2023  
**Purchase Order:**  
**Received:** 04/20/23 10:08 AM



**Customer:** Analytical Resource Lab  
520 South 850 East, STE B3  
Lehi Utah 84043  
United States of America (USA)  
**Sample ID:** 672321: Clean Sourced Collagens Lot: 23041  
**Sample Matrix:** Powder  
**Laboratory ID:** 23-004789-0001-00  
**Evidence of Cooling:** No  
**Temp:** 18.3 °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	04/26/23	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



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

Report Number: 23-004789/D002.R000  
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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
Diflufenzopyr	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  
 mg/kg= milligram per kilogram (ppm)

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

**Report Number:** 23-004789/D002.R000  
**Report Date:** 04/27/2023  
**Purchase Order:**  
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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
Flonicamid	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

LOQ= Limit of Quantitation  
mg/kg= milligram per kilogram (ppm)

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**P2220 Multi-Residue Pesticide Profile**

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
Propam	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 (α, β 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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mg/kg= milligram per kilogram (ppm)