



Certificate of Analysis

Product Name: Multi Collagen Ultra - Vanilla Chai - 30srv	Manufacturing Date: 2.01.2021
Formula Code:	MUCUPOVACH030
Finished Lot Code:	060122111A
Best Buy Date:	2 years

Product Physical Specifications

Items	Specification	Method	Results
Amount per serving:	17g	Analytical Scale	Pass
Odor:	Vanilla and Spice	Organoleptic	Pass
Color:	White to slight yellow tint	Organoleptic	Pass
Taste in 8oz Water	Compares to standard	Organoleptic	Pass
Aroma in 8oz Water	Compares to standard	Organoleptic	Pass
Appearance in 8oz Water	Compares to standard	Organoleptic	Pass

Total Metals:

Items	Specification	Method	Results
Arsenic	< 10 mcg	ICP-MS	< 0.175 mcg/serving
Cadmium	< 4.1 mcg	ICP-MS	0.299 mcg/serving
Lead	< 0.5 mcg	ICP-MS	0.644 mcg/serving*
Mercury	< 2 mcg	ICP-MS	<0.085mcg/serving

Microbiological:

Items	Specification	Method	Results
Total Plate count:	1,000,000 CFU/g	USP 2021	>570,000 CFU/g*
Yeast/Mold	≤1,000 CFU/g	USP 2021	< 10 CFU/g
Total Colliforms	≤ 100 CFU/g	AOAC 991.14	<10 CFU/g
E. coli	Negative / 10g	USP 2022	Negative/10g
Salmonella	Negative / 25g	USP 2022	Negative/25g
Staphylococcus aureus	Negative/10g	USP 2022	Negative/10g

Analytical:

Items	Specification	Method	Results
Protein	≥ 9g / serving	Kjeltec Method	11.06 g/serving
Gluten Allergen	< 20 ppm	Elisa	< 3 ppm
%Moisture	< 8%	Moisture Balance	5.54%
Delta 9 Tetrahydrocannabinol	≤ 0.03%	UHPLC	0.000819%
Cannabidiol	≥ 5 mg / serving	UHPLC	26.9mg/serving

*Tracking for spec appropriateness



Terpenoids: (GC-MS, SOP-059-AR)

Analyte	%	mg/g	LOD mg/g	LOQ mg/g
α -Bisabolol	ND	ND	0.00875	0.0292
endo-Borneol	ND	ND	0.00403	0.0134
Camphene	ND	ND	0.00389	0.0129
Camphor	ND	ND	0.00513	0.0171
β -Carene	ND	ND	0.00439	0.0146
Caryophyllene Oxide	ND	ND	0.0115	0.0385
β -Caryophyllene	< LOQ	ND	0.00608	0.0203
α -Cedrene	ND	ND	0.00380	0.0127
Cedrol	ND	ND	0.0854	0.0284
Eucalyptol	ND	ND	0.00436	0.0145
β -Farnesene	ND	ND	0.0798	0.0266
Fenchol	ND	ND	0.00472	0.0157
Fenchone	ND	ND	0.00510	0.0170
Geraniol	ND	ND	0.0869	0.0289
Geranyl Acetate	ND	ND	0.00736	0.0245
Guaiol	ND	ND	0.0134	0.0446
α -Humulene	< LOQ	ND	0.00424	0.0141
Isoborneol	ND	ND	0.00516	0.0172
Isopulegol	ND	ND	0.0730	0.0244
Limonene	ND	ND	0.00252	0.00840
Linalool	ND	ND	0.0691	0.00230
Menthol	ND	ND	0.00537	0.0179
β -Myrcene	ND	ND	0.00314	0.0104
Nerol	ND	ND	0.0641	0.0213
cis-Nerolidol	ND	ND	0.00460	0.0121
trans-Nerolidol	ND	ND	0.0109	0.0227
cis- β -Ocimene	ND	ND	0.00365	0.0121
trans- β -Ocimene	ND	ND	0.0109	0.0227
α -Phellandrene	ND	ND	0.00427	0.0142
α -Pinene	ND	ND	0.00353	0.0117
β -Pinene	ND	ND	0.00332	0.0111
Pulegone	ND	ND	0.00478	0.0159
Sabinene	ND	ND	0.00243	0.00807
Sabinene Hydrate	ND	ND	0.00383	0.0128
α -Terpinene	ND	ND	0.00309	0.0103
γ -Terpinene	ND	ND	0.00353	0.0117
Terpineol	ND	ND	0.00507	0.0169
Terpinolene	ND	ND	0.0932	0.0310
Valencene	ND	ND	0.0715	0.0239
Total	ND	ND		



Pesticides (LC-MSMS + GC-MSMS)

Pesticides	Action Level (E> m)	Results	LOD (ppm)	LOQ (ppm)
ABAMECTIN B1A	0.500	N/D	0.294	0.981
ACEPHATE	0.400	N/D	0.0229	0.0764
ACEQUINOCYL	2.000	N/D	0.328	1.09
ACETAMIPRID	0.200	N/D	0.0231	0.0771
ALDICARB	0.400	N/D	0.147	0.492
AZOXYSTROBIN	0.200	N/D	0.0208	0.0694
BIFENAZATE	0.200	N/D	0.0145	0.0484
BIFENTHRIN	3.000	N/D	0.117	0.390
BOSCALID	0.400	N/D	0.0371	0.124
CARBARYL	0.200	N/D	0.0139	0.0462
CARBOFURAN	0.200	N/D	0.0163	0.0543
CHLORANTRANILIPROLE	0.200	N/D	0.254	0.0847
CHLORPYRIFOS	0.200	N/D	0.0236	0.109
CLOFENTEZINE	0.200	N/D	0.0326	0.109
DAMINOZIDE	1.000	N/D	0.0467	0.0159
DIAZINON	0.200	N/D	0.0169	0.0562
DICHLORVOS	1.000	N/D	0.0222	0.0740
DIMETHOATE	0.200	N/D	0.0233	0.0777
ETHOPROPHOS	0.200	N/D	0.0226	0.0754
ETOFENPROX	0.400	N/D	0.0320	0.107
ETOXAZOLE	0.200	N/D	0.0258	0.0861
FENOXYCARB	0.200	N/D	0.0205	0.0684
FENPYROXIMATE	0.400	N/D	0.0166	0.0552
FIPRONIL	0.400	N/D	0.0321	0.107
FLONICAMID	1.000	N/D	0.0410	0.137
FLUDIOXONIL	0.400	N/D	0.0388	0.129
HEXYTHIAZOX	1.000	N/D	0.0171	0.0569
IMAZALIL	0.200	N/D	0.0379	0.126
IMIDACLOPRID	0.400	N/D	0.0178	0.0594
KRESOXIM-METHYL	0.400	N/D	0.0158	0.0527
MALATHION	0.200	N/D	0.0110	0.0366
METALAXYL	0.200	N/D	0.0162	0.0540
METHIOCARB	0.200	N/D	0.0156	0.0520
METHOMYL	0.400	N/D	0.0233	0.0778
MYCLOBUTANIL	0.200	N/D	0.0196	0.0652
NALED	0.500	N/D	0.0349	0.116
OXAMYL	1.000	N/D	0.0329	0.110
PACLOBUTRAZOL	0.400	N/D	0.0277	0.0923
PERMETHRINS	0.200	N/D	0.0242	0.0710
PHOSMET	0.200	N/D	0.0245	0.816
PIPERONYL BUTOXIDE	2.000	N/D	0.0160	0.0534
PRALLETHRIN	0.200	N/D	0.0531	0.177
PROPICONAZOLE	0.400	N/D	0.0114	0.0380
PROPOXUR	0.200	N/D	0.0125	0.0417
PYRETHRINS. (PYRETHRIN I)	0.001	N/D	0.0177	0.0590
PYRIDABEN	0.200	N/D	0.0267	0.0890



Pesticides (cont.)

Pesticides	Action Level (E> m)	Results	LOQ (ppm)	LOD (ppm)
SPINOSAD	0.200	N/D	0.0302	0.101
SPIROMESIFEN	0.200	N/D	0.0262	0.0875
SPIROTETRAMAT	0.200	N/D	0.0128	0.0425
SPIROXAMINE	0.400	N/D	0.0390	0.130
TEBUCONAZOLE	0.400	N/D	0.0116	0.0386
THIACLOPRID	0.200	N/D	0.0136	0.0453
THIAMETHOXAM	0.200	N/D	0.0136	0.0454
TRIFLOXYSTROBIN	0.200	N/D	0.0167	0.0558

Megi Qenani 2/22/2021

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