

CERTIFICATE OF ANALYSIS

DATE ISSUED: 06/12/2024



IDENTIFICATION

PRODUCT NAME	BLUEBERRY MUFFIN TERP SAUCE
PRODUCT DESIGNATION	PREMIUM HEMP EXTRACT - TERP SAUCE
PRODUCT #	TTL-HT-BBMF-R1
FINISHED GOOD LOT #	24052114
RECOMMENDED USE BY DATE	MAY 2025
CAS #	MIXTURE
EC #	MIXTURE
MANUFACTURING DATE	5/21/2024

PARAMETER	SPECIFICATION	RESULT
APPEARANCE	GOLDEN YELLOW TO DARK YELLOW LIQUID	PASSES VISUALLY
ODOR	DARK FRUIT, EARTHY, GAS	PASSES SENSORY
CANNABINOIDS	PASSES TESTING	PASSES TESTING
HEAVY METALS	PASSES TESTING	PASSES TESTING
PESTICIDES	PASSES TESTING	PASSES TESTING
RESIDUAL SOLVENTS	PASSES TESTING	PASSES TESTING
MYCOTOXINS	PASSES TESTING	PASSES TESTING
MICROBIAL	PASSES TESTING	PASSES TESTING

STORAGE CONDITIONS

STORE IN A COOL, DRY, DARK PLACE.

TEST RESULTS

TERPENES (%)

Analyte	Max Allowed	LOQ	Result	Analyte	Max Allowed	LOQ	Result
alpha-Bisabolol	-	0.019	0.10	alpha-Cedrene	-	0.019	< LOQ
alpha-Phellandrene	-	0.019	0.05	alpha-Pinene	-	0.019	2.90
alpha-Terpinene	-	0.019	0.04	alpha-Terpineol	-	0.019	0.12
Borneol	-	0.019	0.04	beta-Caryophyllene	-	0.019	1.54
beta-Pinene	-	0.019	1.00	Camphene	-	0.019	0.08
Camphor	-	0.019	< LOQ	Cedrol	-	0.019	< LOQ
Caryophyllene oxide	-	0.019	0.07	delta-3-Carene	-	0.019	0.03
Eucalyptol	-	0.019	0.03	Farnesene	-	0.019	1.16
Fenchol	-	0.019	0.17	Fenchone	-	0.019	0.02
trans-Fenchone	-	0.019	0.08	Geraniol	-	0.019	0.02
Guaiol	-	0.019	0.09	Geranyl acetate	-	0.019	< LOQ
gamma-Terpinene	-	0.019	0.03	Humulene (alpha-Caryophyllene)	-	0.019	0.56
Isoborneol	-	0.019	< LOQ	Isopulegol	-	0.019	< LOQ
Limonene	-	0.019	4.07	Linalool	-	0.019	0.62
Menthol	-	0.019	< LOQ	Myrcene	-	0.190	5.33
cis-Nerolidol	-	0.019	< LOQ	Nerol	-	0.019	< LOQ
cis-beta-Ocimene	-	0.006	0.09	trans-beta-Ocimene	-	0.013	0.97
Para-cymene	-	0.019	0.02	Pulegone	-	0.019	< LOQ
Sabinene	-	0.019	< LOQ	Sabinene hydrate	-	0.019	< LOQ
Terpinolene	-	0.019	0.96	Valencene	-	0.019	< LOQ
Total Terpenes	-	0.020	20.20				

trueoriginshemp@gmail.com

CERTIFICATE OF ANALYSIS

DATE ISSUED: 06/12/2024



POTENCY (%)							
Analyte	Max Allowed	LOQ	Result	Analyte	Max Allowed	LOQ	Result
CBD	-	0.716	42.60	CBDA	-	0.072	17.10
Total CBD	-	0.779	57.60	CBG	-	0.072	6.53
CGBA	-	0.072	0.77	Total CBG	-	0.134	7.21
CBN	-	0.072	< LOQ	Delta-10-THC-9R	-	0.072	< LOQ
Delta-10-THC-9S	-	0.072	< LOQ	Delta-10-THC-Total	-	0.143	< LOQ
Delta-8-THC	-	0.072	< LOQ	Delta-9-THC	0.3	0.072	0.14
THCA	-	0.072	0.74	Total THC	1.0	0.134	0.79
Total Cannabinoids	-	-	67.90				

HEAVY METALS (ppm)							
Analyte	Max Allowed	LOQ	Result	Analyte	Max Allowed	LOQ	Result
Arsenic	0.110	0.081	< LOQ	Cadmium	0.110	0.081	< LOQ
Lead	0.110	0.081	< LOQ	Mercury	0.060	0.041	< LOQ

PESTICIDES (ppm)							
Analyte	Max Allowed	LOQ	Result	Analyte	Max Allowed	LOQ	Result
Abamectin	0.50	0.25	< LOQ	Acephate	0.40	0.20	< LOQ
Acequinocyl	2.00	1.00	< LOQ	Acetamiprid	0.20	0.10	< LOQ
Aldicarb	0.40	0.20	< LOQ	Azoxystrobin	0.20	0.10	< LOQ
Bifenazate	0.20	0.10	< LOQ	Bifenthrin	0.20	0.10	< LOQ
Boscalid	0.40	0.20	< LOQ	Carbaryl	0.20	0.10	< LOQ
Carbofuran	0.20	0.10	< LOQ	Chlorantraniliprole	0.20	0.10	< LOQ
Chlorfenapyr	1.00	0.50	< LOQ	Chlorpyrifos	0.20	0.10	< LOQ
Clofentezine	0.20	0.10	< LOQ	Cyfluthrin	1.00	0.50	< LOQ
Cypermethrin	1.00	0.50	< LOQ	Daminozide	1.00	0.50	< LOQ
Diazinon	0.20	0.10	< LOQ	DDVP (Dichlorvos)	1.00	0.50	< LOQ
Dimethoate	0.20	0.10	< LOQ	Ethoprophos	0.20	0.10	< LOQ
Etofenprox	0.40	0.20	< LOQ	Etoazole	0.20	0.10	< LOQ
Fenoxycarb	0.20	0.10	< LOQ	Fenpyroximate	0.40	0.20	< LOQ
Fipronil	0.40	0.20	< LOQ	Fonicamid	1.00	0.40	< LOQ
Fludioxonil	0.40	0.20	< LOQ	Hexythiazox	1.00	0.40	< LOQ
Imazalil	0.20	0.10	< LOQ	Imidacloprid	0.40	0.20	< LOQ
Kresoxim-methyl	0.40	0.20	< LOQ	Malathion	0.20	0.10	< LOQ
Metalaxyl	0.20	0.10	< LOQ	Methiocarb	0.20	0.10	< LOQ
Methomyl	0.40	0.20	< LOQ	MGK-264	0.20	0.10	< LOQ
Myclobutanil	0.20	0.10	< LOQ	Naled (Dibrom)	0.50	0.25	< LOQ
Oxamyl	1.00	0.50	< LOQ	Paclobutrazol	0.40	0.20	< LOQ
Methyl parathion	0.20	0.10	< LOQ	Permethrins	0.20	0.10	< LOQ
Phosmet	0.20	0.10	< LOQ	Piperonyl butoxide	2.00	1.00	< LOQ
Prallethrin	0.20	0.10	< LOQ	Propoxur	0.20	0.10	< LOQ
Propiconazole	0.40	0.20	< LOQ	Pyridaben	0.20	0.10	< LOQ
Permethrins	0.20	0.10	< LOQ	Spiromesifen	0.20	0.10	< LOQ
Spinosad	0.20	0.10	< LOQ	Spiroxamine	0.40	0.20	< LOQ
Spirotetramat	0.20	0.10	< LOQ	Thiacloprid	0.20	0.10	< LOQ
Tebuconazole	0.40	0.20	< LOQ	Trifloxystrobin	0.20	0.10	< LOQ
Thiamethoxam	0.20	0.10	< LOQ				

trueoriginshemp@gmail.com

CERTIFICATE OF ANALYSIS

DATE ISSUED: 06/12/2024



RESIDUAL SOLVENTS (ppm)

Analyte	Max Allowed	LOQ	Result	Analyte	Max Allowed	LOQ	Result
1-Butanol	5000	500	< LOQ	1-Pentanol	5000	500	< LOQ
1,2-Dichloroethane	1.0	1.0	< LOQ	1,2-Dimethoxyethane	100	50	< LOQ
1,4-Dioxane	380	100	< LOQ	2-Butanol	5000	200	< LOQ
2-Ethoxyethanol	160	30	< LOQ	2-methyl-1-propanol	5000	500	< LOQ
2-Methylbutane (Isopentane)	750	200	< LOQ	2-Methylpentane	30	30	< LOQ
2-Propanol (IPA)	500	200	< LOQ	2,2-Dimethylbutane	30	30	< LOQ
2,2-Dimethylpropane (neopentane)	750	200	< LOQ	2,3-Dimethylbutane	30	30	< LOQ
3-Methyl-1-Butanol	500	500	< LOQ	3-Methylpentane	30	30	< LOQ
Acetic Acid	5000	250	< LOQ	Acetone	1500	200	< LOQ
Acetonitrile	100	100	< LOQ	Anisole	5000	500	< LOQ
Benzene	1.0	1.0	< LOQ	Butanes	500	400	< LOQ
Butyl acetate	500	500	< LOQ	Chloroform	1.0	1.0	< LOQ
Cyclohexane	3880	200	< LOQ	Dimethyl sulfoxide	5000	500	< LOQ
Ethanol	500	200	< LOQ	Ethyl acetate	400	200	< LOQ
Ethyl benzene	200	200	< LOQ	Ethyl ether	500	200	< LOQ
Ethyl Formate	5000	500	< LOQ	Ethylene glycol	620	200	< LOQ
Ethylene oxide	1.0	1.0	< LOQ	Formic Acid	5000	250	< LOQ
Hexanes	200	150	< LOQ	Isobutyl acetate	5000	500	< LOQ
Isopropyl acetate	310	200	< LOQ	Isopropylbenzene (Cumene)	70	30	< LOQ
Methanol	250	200	< LOQ	Methyl-t-butyl ether	5000	500	< LOQ
Methyl acetate	500	500	< LOQ	Methylethylketone	500	500	< LOQ
Methylene chloride	1.0	1.0	< LOQ	Methylpropane (Isobutane)	500	200	< LOQ
Methylisobutylketone	4500	500	< LOQ	n-Heptane	500	200	< LOQ
n-Butane	500	200	< LOQ	n-Pentane	500	200	< LOQ
n-Hexane	200	30	< LOQ	N,N-dimethylacetamide	1090	200	< LOQ
n-Propanol	500	500	< LOQ	Pentanes	750	600	< LOQ
N,N-dimethylformamide	880	200	< LOQ	Propyl Acetate	500	500	< LOQ
Propane	500	200	< LOQ	Sulfolane	160	50	< LOQ
Pyridine	100	50	< LOQ	Toluene	150	100	< LOQ
Tetrahydrofuran	250	100	< LOQ	Total Xylenes and Ethyl benzene	600	600	< LOQ
Total Residual Solvents	5000	5000	< LOQ	Triethylamine	5000	500	< LOQ
Total Xylenes	400	400	< LOQ				
Trichloroethylene	1.0	1.0	< LOQ				

MYCOTOXINS (ppb)

Analyte	Max Allowed	LOQ	Result	Analyte	Max Allowed	LOQ	Result
Aflatoxin B1	-	5	< LOQ	Aflatoxin B2	-	5	< LOQ
Aflatoxin G1	-	5	< LOQ	Aflatoxin G2	-	5	< LOQ
Total Aflatoxins	20	20	< LOQ	Ochratoxin A	5	5	< LOQ

MICROBIAL

Analyte	Specification	Result	Analyte	Specification	Result
EHEC including STEC	Negative	Negative	Salmonella spp. by PCR	Negative	Negative

CERTIFICATE OF ANALYSIS

DATE ISSUED: 06/12/2024



DISCLAIMER

This Certificate of Analysis contains results provided by validated internal methods or by ISO 17025 certified contract laboratories external to True Origins. This document does not relieve the purchaser from any responsibility for conducting their own tests in order to verify the suitability of this product for their application and to comply with all relevant legal requirements for any goods into which this product is incorporated. Some or all of this product is derived from legally-grown hemp and may contain cannabinoids or other hemp-derived extracts. The "max allowed" limits in this Certificate of Analysis are reflective of internal specifications and may not be inclusive of all compound regulations in your region for your finished product type. This product is not intended for purchase by consumers.

The Recommended Use By Date is based on a representative study which has shown stability of color, odor, solvents, and terpene profile throughout the defined period under advised storage conditions. Addition of our product as an ingredient at any point until the recommended use by date should provide a consistent experience. This date is guidance based on optimum storage conditions; exposure to oxygen, light, heat, extreme cold, or other unanticipated conditions may result in degradation of the terpenes prior to the end of the stated recommended use by date. Any directions on the product label to refrigerate during storage should be followed. Botanically derived and/or synthetic compounds found in this product may contain trace compounds which can potentially result in a slight variance between lots.

Reviewed by Shea Hamilton

Date: 06/12/2024