

Hemp Quality Assurance Testing

CERTIFICATE OF ANALYSIS

DATE ISSUED 10/07/2022

SAMPLE NAME: Stratos 750 Full Spectrum Tablets

Infused, Colorado Infused

CULTIVATOR / MANUFACTURER

Business Name: License Number:

Address:

SAMPLE DETAIL

Batch Number: 2299001 Sample ID: 221001H006 Date of Sampling: 10/01/2022 Time of Sampling: 7:49 a.m.

Sampler Name:

Sampler Company:

DISTRIBUTOR / TESTED FOR

Business Name: Ashford

International LLC License Number:

Address:

Date Collected: 10/01/2022 Date Received: 10/02/2022

Batch Size:

Sample Size: 1.0 units

Unit Mass: 22.1124 grams per Unit Serving Size: 0.7371 grams per Serving





Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: 22.378 mg/unit

Total CBD: 723.695 mg/unit

Total Cannabinoids: 799.497 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

Total THC = Δ^9 -THC + (THCa (0.877)) Total CBD = CBD + (CBDa (0.877))

Sum of Cannabinoids = Δ^9 -THC + THCa + CBD + CBDa + CBG + CBGa + Sum of Cannabinoids: 799.496 mg/unit THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^8 -THC + CBL + CBN Total Cannabinoids = $(\Delta^9$ -THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) +

(CBDV+0.877*CBDVa) + Δ8-THC + CBL + CBN

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 0.0089%

α-Bisabolol 0.089 mg/g

SAFETY ANALYSIS - SUMMARY

Pesticides: PASS

Heavy Metals: PASS

Mycotoxins: PASS

Microbiology (PCR): PASS

Residual Solvents: PASS

Microbiology (Plating): PASS

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written

Sample Certification: 6 CCR 1010-21 Colorado Wholesale Food, Industrial Hemp, and Shellfish Regulations; where applicable

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

LQC verified by: Michael Pham Date: 10/07/2022

ed by: Josh Wurzer, President 10/07/2022





STRATOS 750 FULL SPECTRUM TABLETS | DATE ISSUED 10/07/2022



Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: 22.378 mg/unit Total THC (Δ⁹-THC+0.877*THCa)

TOTAL CBD: 723.695 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 799.497 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8 -THC + CBL + CBN

TOTAL CBG: 12.361 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 25.960 mg/unit

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 5.108 mg/unit Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 10/03/2022

COMPOUN	ID LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±1.2208	32.728	3.2728
CBC	0.003 / 0.010	±0.0378	1.174	0.1174
∆ ⁹ -THC	0.002 / 0.014	±0.0556	1.012	0.1012
CBG	0.002 / 0.006	±0.0271	0.559	0.0559
CBN	0.001 / 0.007	±0.0092	0.322	0.0322
CBDV	0.002 / 0.012	±0.0094	0.231	0.0231
CBL	0.003 / 0.010	±0.0048	0.130	0.0130
∆ ⁸ -THC	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
THCV	0.002 / 0.012	N/A	ND	ND
THCVa	0.002 / 0.019	N/A	ND	ND
CBDa	0.001 / 0.026	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
Total THC		±0.0556	1.012	0.1012
SUM OF	CANNABINOIDS		36.156 mg/g	3.6156%

Unit Mass: 22.1124 grams per Unit / Serving Size: 0.7371 grams per Serving

Δ^9 -THC per Unit	22.378 mg/unit
Δ^9 -THC per Serving	0.746 mg/serving
Total THC per Unit	22.378 mg/unit
Total THC per Serving	0.746 mg/serving
CBD per Unit	723.695 mg/unit
CBD per Serving	24.124 mg/serving
Total CBD per Unit	723.695 mg/unit
Total CBD per Serving	24.124 mg/serving
Sum of Cannabinoids per Unit	799.496 mg/unit
Sum of Cannabinoids per Serving	26.651 mg/serving
Total Cannabinoids per Unit	799.497 mg/unit
Total Cannabinoids per Serving	26.650 mg/serving





STRATOS 750 FULL SPECTRUM TABLETS | DATE ISSUED 10/07/2022



Terpenoid Analysis

Terpene analysis utilizing gas chromatographyflame ionization detection (GC-FID).

Method: QSP 1192 - Analysis of Terpenoids by GC-FID



α -Bisabolol

A sesquiterpene alcohol with a fragrance that can be described as floral, peppery, sweet and clean. Found in chamomile, figwort, yarrow, skullcaps, lavender, ironwort, germander...etc.

TERPENOID TEST RESULTS - 10/03/2022

α-Bisabolol 0.088 / 0.026 ±0.0037 0.0889 0.0089 α-Pinene 0.005 / 0.017 N/A ND ND Camphene 0.005 / 0.015 N/A ND ND Sabinene 0.004 / 0.014 N/A ND ND β-Pinene 0.004 / 0.014 N/A ND ND Myrcene 0.008 / 0.025 N/A ND ND Myrcene 0.008 / 0.025 N/A ND ND ω-Phellandrene 0.006 / 0.020 N/A ND ND ω-Terpinene 0.005 / 0.018 N/A ND ND ω-C-Terpinene 0.005 / 0.016 N/A ND ND Limonene 0.005 / 0.016 N/A ND ND Eucalyptol 0.006 / 0.020 N/A ND ND β-Ocimene 0.006 / 0.022 N/A ND ND γ-Terpinene 0.006 / 0.022 N/A ND ND Fenchone 0.009 / 0.032 N/A	COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Camphene 0.005/0.015 N/A ND ND Sabinene 0.004/0.014 N/A ND ND β-Pinene 0.004/0.014 N/A ND ND Myrcene 0.008/0.025 N/A ND ND α-Phellandrene 0.006/0.020 N/A ND ND Δ3-Carene 0.005/0.018 N/A ND ND α-Terpinene 0.005/0.018 N/A ND ND p-Cymene 0.005/0.016 N/A ND ND Limonene 0.005/0.018 N/A ND ND B-Cymene 0.006/0.018 N/A ND ND H-Cymene 0.006/0.020 N/A ND ND Limonene 0.006/0.020 N/A ND ND P-Cymene 0.006/0.020 N/A ND ND J-Terpinene 0.006/0.020 N/A ND ND S-Cymene 0.006/0.020 N/A ND ND <t< td=""><td>α-Bisabolol</td><td>0.008 / 0.026</td><td>±0.0037</td><td>0.089</td><td>0.0089</td></t<>	α-Bisabolol	0.008 / 0.026	±0.0037	0.089	0.0089
Sabinene 0.004 / 0.014 N/A ND ND β-Pinene 0.004 / 0.014 N/A ND ND Myrcene 0.008 / 0.025 N/A ND ND α-Phellandrene 0.006 / 0.020 N/A ND ND Δ²-Carene 0.005 / 0.018 N/A ND ND α-Terpinene 0.005 / 0.016 N/A ND ND p-Cymene 0.005 / 0.016 N/A ND ND Limonene 0.005 / 0.016 N/A ND ND Eucalyptol 0.006 / 0.020 N/A ND ND β-Cotimene 0.006 / 0.020 N/A ND ND γ-Terpinene 0.006 / 0.022 N/A ND ND Sabinene Hydrate 0.006 / 0.022 N/A ND ND Fenchone 0.008 / 0.026 N/A ND ND Linalool 0.009 / 0.032 N/A ND ND Fenchol 0.010 / 0.034 N/A ND<	α-Pinene	0.005 / 0.017	N/A	ND	ND
β-Pinene 0.004 / 0.014 N/A ND ND Myrcene 0.008 / 0.025 N/A ND ND α-Phellandrene 0.006 / 0.020 N/A ND ND Δ³-Carene 0.005 / 0.018 N/A ND ND α-Terpinene 0.005 / 0.016 N/A ND ND p-Cymene 0.005 / 0.016 N/A ND ND Limonene 0.005 / 0.016 N/A ND ND Eucalyptol 0.005 / 0.018 N/A ND ND B-Ocimene 0.006 / 0.020 N/A ND ND γ-Terpinene 0.006 / 0.020 N/A ND ND Sabinene Hydrate 0.006 / 0.022 N/A ND ND Fenchone 0.009 / 0.028 N/A ND ND Terpinolene 0.008 / 0.026 N/A ND ND Linalool 0.009 / 0.032 N/A ND ND Terpinolene 0.008 / 0.026 N/A <	Camphene	0.005 / 0.015	N/A	ND	ND
Myrcene 0.008/0.025 N/A ND ND α-Phellandrene 0.006/0.020 N/A ND ND Δ³-Carene 0.005/0.018 N/A ND ND α-Terpinene 0.005/0.017 N/A ND ND p-Cymene 0.005/0.016 N/A ND ND Limonene 0.005/0.016 N/A ND ND Limonene 0.005/0.016 N/A ND ND B-Cotimene 0.006/0.020 N/A ND ND γ-Terpinene 0.006/0.018 N/A ND ND γ-Terpinene 0.006/0.022 N/A ND ND Sabinene Hydrate 0.006/0.022 N/A ND ND Fenchone 0.006/0.022 N/A ND ND Terpinene 0.006/0.028 N/A ND ND Linalcol 0.009/0.028 N/A ND ND Eprinchol 0.010/0.034 N/A ND ND	Sabinene	0.004 / 0.014	N/A	ND	ND
α-Phellandrene 0.006/0.020 N/A ND ND ND A3-Carene 0.005/0.018 N/A ND	β-Pinene	0.004 / 0.014	N/A	ND	ND
Δ³-Carene 0.005/0.018 N/A ND ND o-Terpinene 0.005/0.017 N/A ND ND p-Cymene 0.005/0.016 N/A ND ND Limonene 0.005/0.016 N/A ND ND Eucalyptol 0.006/0.018 N/A ND ND β-Ocimene 0.006/0.020 N/A ND ND γ-Terpinene 0.006/0.022 N/A ND ND Sabinene Hydrate 0.006/0.022 N/A ND ND Fenchone 0.009/0.028 N/A ND ND Terpinolene 0.008/0.026 N/A ND ND Linalool 0.009/0.032 N/A ND ND Isopulegol 0.006/0.014 N/A ND ND Isopulegol 0.006/0.034 N/A ND ND Isopulegol 0.006/0.019 N/A ND ND Isopulegol 0.006/0.019 N/A ND ND	Myrcene	0.008 / 0.025	N/A	ND	ND
α-Terpinene	α-Phellandrene	0.006 / 0.020	N/A	ND	ND
P-Cymene 0.005 / 0.016 N/A ND ND	Δ^3 -Carene	0.005 / 0.018	N/A	ND	ND
Limonene 0.005 / 0.016 N/A ND ND Eucalyptol 0.006 / 0.018 N/A ND ND β-Ocimene 0.006 / 0.020 N/A ND ND γ-Terpinene 0.006 / 0.022 N/A ND ND Sabinene Hydrate 0.006 / 0.022 N/A ND ND Fenchone 0.009 / 0.028 N/A ND ND Terpinolene 0.008 / 0.026 N/A ND ND Linalool 0.009 / 0.032 N/A ND ND Enchol 0.010 / 0.034 N/A ND ND Isopulegol 0.005 / 0.016 N/A ND ND Camphor 0.006 / 0.019 N/A ND ND Borneol 0.004 / 0.012 N/A ND ND Borneol 0.005 / 0.016 N/A ND ND Menthol 0.008 / 0.025 N/A ND ND Terpineol 0.009 / 0.031 N/A ND	α-Terpinene	0.005 / 0.017	N/A	ND	ND
Eucalyptol 0.006 / 0.018 N/A ND ND β-Ocimene 0.006 / 0.020 N/A ND ND γ-Terpinene 0.006 / 0.022 N/A ND ND Sabinene Hydrate 0.006 / 0.022 N/A ND ND Fenchone 0.009 / 0.028 N/A ND ND Terpinolene 0.008 / 0.026 N/A ND ND Linalool 0.009 / 0.032 N/A ND ND Enchol 0.010 / 0.034 N/A ND ND Isopulegol 0.005 / 0.016 N/A ND ND Camphor 0.006 / 0.019 N/A ND ND Isoborneol 0.004 / 0.012 N/A ND ND Borneol 0.005 / 0.016 N/A ND ND Menthol 0.008 / 0.025 N/A ND ND Terpineol 0.009 / 0.031 N/A ND ND Nerol 0.003 / 0.011 N/A ND	p-Cymene	0.005 / 0.016	N/A	ND	ND
β-Ocimene 0.006 / 0.020 N/A ND ND	Limonene	0.005 / 0.016	N/A	ND	ND
γ-Terpinene 0.006/0.022 N/A ND ND Sabinene Hydrate 0.006/0.022 N/A ND ND Fenchone 0.009/0.028 N/A ND ND Terpinolene 0.008/0.026 N/A ND ND Linalool 0.009/0.032 N/A ND ND Fenchol 0.010/0.034 N/A ND ND Isopulegol 0.005/0.016 N/A ND ND Camphor 0.006/0.019 N/A ND ND Isoborneol 0.004/0.012 N/A ND ND Borneol 0.005/0.016 N/A ND ND Menthol 0.008/0.025 N/A ND ND Terpineol 0.009/0.031 N/A ND ND Nerol 0.003/0.011 N/A ND ND Citronellol 0.003/0.011 N/A ND ND Pulegone 0.003/0.011 N/A ND ND	Eucalyptol	0.006 / 0.018	N/A	ND	ND
Sabinene Hydrate 0.006/0.022 N/A ND ND Fenchone 0.009/0.028 N/A ND ND Terpinolene 0.008/0.026 N/A ND ND Linalool 0.009/0.032 N/A ND ND Fenchol 0.010/0.034 N/A ND ND Isopulegol 0.005/0.016 N/A ND ND Camphor 0.006/0.019 N/A ND ND Isoborneol 0.004/0.012 N/A ND ND Borneol 0.004/0.012 N/A ND ND Menthol 0.008/0.025 N/A ND ND ND ND ND ND ND Nerol 0.003/0.021 N/A ND ND ND ND ND ND ND Velegone 0.003/0.011 N/A ND ND Pulegone 0.003/0.011 N/A ND ND Geraniol	β-Ocimene	0.006 / 0.020	N/A	ND	ND
Fenchone 0.009/0.028 N/A ND ND Terpinolene 0.008/0.026 N/A ND ND Linalool 0.009/0.032 N/A ND ND Fenchol 0.010/0.034 N/A ND ND Isopulegol 0.005/0.016 N/A ND ND Camphor 0.006/0.019 N/A ND ND Isopulegol 0.004/0.012 N/A ND ND Isopulegol 0.006/0.019 N/A ND ND Isopulegol 0.006/0.019 N/A ND ND Isopulegol 0.004/0.012 N/A ND ND Borneol 0.004/0.012 N/A ND ND Menthol 0.008/0.025 N/A ND ND Merol 0.008/0.025 N/A ND ND Nerol 0.003/0.011 N/A ND ND Pulegone 0.003/0.011 N/A ND ND	γ-Terpinene	0.006 / 0.018	N/A	ND	ND
Terpinolene 0.008 / 0.026 N/A ND ND	Sabinene Hydrate	0.006 / 0.022	N/A	ND	ND
Linalool 0.009/0.032 N/A ND ND Fenchol 0.010/0.034 N/A ND ND Isopulegol 0.005/0.016 N/A ND ND Camphor 0.006/0.019 N/A ND ND Isoborneol 0.004/0.012 N/A ND ND Borneol 0.005/0.016 N/A ND ND Menthol 0.005/0.016 N/A ND ND Menthol 0.008/0.025 N/A ND ND Nerol 0.009/0.031 N/A ND ND Nerol 0.003/0.011 N/A ND ND Citronellol 0.003/0.010 N/A ND ND Pulegone 0.003/0.011 N/A ND ND Geraniol 0.002/0.007 N/A ND ND Geranyl Acetate 0.004/0.014 N/A ND ND α-Cadrene 0.005/0.016 N/A ND ND	Fenchone	0.009 / 0.028	N/A	ND	ND
Fenchol 0.010/0.034 N/A ND ND ND Isopulegol 0.005/0.016 N/A ND ND ND ND ND ND ND N	Terpinolene	0.008 / 0.026	N/A	ND	ND
Isopulegol 0.005/0.016 N/A ND ND	Linalool	0.009/0.032	N/A	ND	ND
Camphor 0.006 / 0.019 N/A ND ND Isoborneol 0.004 / 0.012 N/A ND ND Borneol 0.005 / 0.016 N/A ND ND Menthol 0.008 / 0.025 N/A ND ND Terpineol 0.009 / 0.031 N/A ND ND Nerol 0.003 / 0.011 N/A ND ND Citronellol 0.003 / 0.010 N/A ND ND Pulegone 0.003 / 0.011 N/A ND ND Geraniol 0.002 / 0.007 N/A ND ND Geranyl Acetate 0.004 / 0.014 N/A ND ND ω-Cedrene 0.005 / 0.016 N/A ND ND β-Caryophyllene 0.004 / 0.012 N/A ND ND α-Humulene 0.009 / 0.025 N/A ND ND Valencene 0.009 / 0.030 N/A ND ND Nerolidol 0.006 / 0.019 N/A ND	Fenchol	0.010 / 0.034	N/A	ND	ND
Camphor 0.006 / 0.019 N/A ND ND Isoborneol 0.004 / 0.012 N/A ND ND Borneol 0.005 / 0.016 N/A ND ND Menthol 0.008 / 0.025 N/A ND ND Terpineol 0.009 / 0.031 N/A ND ND Nerol 0.003 / 0.011 N/A ND ND Citronellol 0.003 / 0.010 N/A ND ND Pulegone 0.003 / 0.011 N/A ND ND Geraniol 0.002 / 0.007 N/A ND ND Geranyl Acetate 0.004 / 0.014 N/A ND ND ω-Cedrene 0.005 / 0.016 N/A ND ND β-Caryophyllene 0.004 / 0.012 N/A ND ND α-Humulene 0.009 / 0.025 N/A ND ND Valencene 0.009 / 0.030 N/A ND ND Nerolidol 0.006 / 0.019 N/A ND	Isopulegol	0.005 / 0.016	N/A	ND	ND
Isoborneol 0.004/0.012 N/A ND ND					
Borneol 0.005/0.016 N/A ND ND Menthol 0.008/0.025 N/A ND ND Terpineol 0.009/0.031 N/A ND ND Nerol 0.003/0.011 N/A ND ND Citronellol 0.003/0.010 N/A ND ND Pulegone 0.003/0.011 N/A ND ND Geraniol 0.002/0.007 N/A ND ND Geranyl Acetate 0.004/0.014 N/A ND ND ω-Cedrene 0.005/0.016 N/A ND ND β-Caryophyllene 0.004/0.012 N/A ND ND α-Humulene 0.008/0.025 N/A ND ND Valencene 0.009/0.030 N/A ND ND Nerolidol 0.006/0.019 N/A ND ND Caryophyllene Oxide 0.010/0.033 N/A ND ND Guaiol 0.009/0.030 N/A ND ND			N/A	ND	ND
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Terpineol 0.009/0.031 N/A ND ND Nerol 0.003/0.011 N/A ND ND Citronellol 0.003/0.010 N/A ND ND Pulegone 0.003/0.011 N/A ND ND Geraniol 0.002/0.007 N/A ND ND Geranyl Acetate 0.004/0.014 N/A ND ND α-Cedrene 0.005/0.016 N/A ND ND β-Caryophyllene 0.004/0.012 N/A ND ND trans-β-Farnesene 0.008/0.025 N/A ND ND α-Humulene 0.009/0.029 N/A ND ND Valencene 0.009/0.030 N/A ND ND Nerolidol 0.006/0.019 N/A ND ND Guaiol 0.009/0.030 N/A ND ND Cedrol 0.008/0.027 N/A ND ND				ND	ND
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Citronellol 0.003/0.010 N/A ND ND Pulegone 0.003/0.011 N/A ND ND Geraniol 0.002/0.007 N/A ND ND Geranyl Acetate 0.004/0.014 N/A ND ND α-Cedrene 0.005/0.016 N/A ND ND β-Caryophyllene 0.004/0.012 N/A ND ND trans-β-Farnesene 0.008/0.025 N/A ND ND α-Humulene 0.009/0.029 N/A ND ND Valencene 0.009/0.030 N/A ND ND Nerolidol 0.006/0.019 N/A ND ND Caryophyllene Oxide 0.010/0.033 N/A ND ND Guaiol 0.009/0.030 N/A ND ND Cedrol 0.008/0.027 N/A ND ND	· · · · · · · · · · · · · · · · · · ·				
Pulegone 0.003/0.011 N/A ND ND Geraniol 0.002/0.007 N/A ND ND Geranyl Acetate 0.004/0.014 N/A ND ND α-Cedrene 0.005/0.016 N/A ND ND β-Caryophyllene 0.004/0.012 N/A ND ND trans-β-Farnesene 0.008/0.025 N/A ND ND α-Humulene 0.009/0.029 N/A ND ND Valencene 0.009/0.030 N/A ND ND Nerolidol 0.006/0.019 N/A ND ND Garyophyllene Oxide 0.010/0.033 N/A ND ND Guaiol 0.009/0.030 N/A ND ND Cedrol 0.008/0.027 N/A ND ND					
Geraniol 0.002/0.007 N/A ND ND Geranyl Acetate 0.004/0.014 N/A ND ND α-Cedrene 0.005/0.016 N/A ND ND β-Caryophyllene 0.004/0.012 N/A ND ND trans-β-Farnesene 0.008/0.025 N/A ND ND α-Humulene 0.009/0.029 N/A ND ND Valencene 0.009/0.030 N/A ND ND Nerolidol 0.006/0.019 N/A ND ND Caryophyllene Oxide 0.010/0.033 N/A ND ND Guaiol 0.009/0.030 N/A ND ND Cedrol 0.008/0.027 N/A ND ND					
Geranyl Acetate 0.004/0.014 N/A ND ND α-Cedrene 0.005/0.016 N/A ND ND β-Caryophyllene 0.004/0.012 N/A ND ND trans-β-Farnesene 0.008/0.025 N/A ND ND α-Humulene 0.009/0.029 N/A ND ND Valencene 0.009/0.030 N/A ND ND Nerolidol 0.006/0.019 N/A ND ND Caryophyllene Oxide 0.010/0.033 N/A ND ND Guaiol 0.009/0.030 N/A ND ND Cedrol 0.008/0.027 N/A ND ND					
α-Cedrene 0.005/0.016 N/A ND ND β-Caryophyllene 0.004/0.012 N/A ND ND trans-β-Farnesene 0.008/0.025 N/A ND ND α-Humulene 0.009/0.029 N/A ND ND Valencene 0.009/0.030 N/A ND ND Nerolidol 0.006/0.019 N/A ND ND Caryophyllene Oxide 0.010/0.033 N/A ND ND Guaiol 0.009/0.030 N/A ND ND Cedrol 0.008/0.027 N/A ND ND					
β-Caryophyllene 0.004/0.012 N/A ND ND trans-β-Farnesene 0.008/0.025 N/A ND ND α-Humulene 0.009/0.029 N/A ND ND Valencene 0.009/0.030 N/A ND ND Nerolidol 0.006/0.019 N/A ND ND Caryophyllene Oxide 0.010/0.033 N/A ND ND Guaiol 0.009/0.030 N/A ND ND Cedrol 0.008/0.027 N/A ND ND	<u> </u>		· · · · · · · · · · · · · · · · · · ·		
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Caryophyllene Oxide 0.010 / 0.033 N/A ND ND Guaiol 0.009 / 0.030 N/A ND ND Cedrol 0.008 / 0.027 N/A ND ND					
Guaiol 0.009/0.030 N/A ND ND Cedrol 0.008/0.027 N/A ND ND					
Cedrol 0.008 / 0.027 N/A ND ND					
	TOTAL TERPENOIDS	0.0007 0.027	IVA	0.089 mg/g	0.0089%





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Pesticide Analysis

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).

*GC-MS utilized where indicated.

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

PESTICIDE TEST RESULTS - 10/03/2022 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (μg/g)	RESULT
Abamectin	0.032 / 0.097	0.25	N/A	ND	PASS
Acephate	0.006 / 0.018	0.05	N/A	ND	PASS
Acequinocyl	0.009 / 0.027	≥LOQ	N/A	ND	PASS
Acetamiprid	0.016 / 0.049	0.05	N/A	ND	PASS
Aldicarb	0.030 / 0.090	0.5	N/A	ND	PASS
Allethrin	0.030 / 0.092	0.1	N/A	ND	PASS
Atrazine	0.006 / 0.019	≥LOQ	N/A	ND	PASS
Azadirachtin	0.082 / 0.248	0.5	N/A	ND	PASS
Azoxystrobin	0.003 / 0.009	0.01	N/A	ND	PASS
Benzovindiflupyr	0.003 / 0.009	0.01	N/A	ND	PASS
Bifenazate	0.003 / 0.009	0.01	N/A	ND	PASS
Bifenthrin	0.021 / 0.064	≥LOQ	N/A	ND	PASS
Boscalid	0.003 / 0.009	0.01	N/A	ND	PASS
Buprofezin	0.006 / 0.019	≥LOQ	N/A	ND	PASS
Carbaryl	0.007 / 0.020	0.025	N/A	ND	PASS
Carbofuran	0.003 / 0.008	0.01	N/A	ND	PASS
Chlorantraniliprole	0.006 / 0.018	≥LOQ	N/A	ND	PASS
Chlorfenapyr*	0.005 / 0.015	1.5	N/A	ND	PASS
Chlorpyrifos	0.013 / 0.039	0.5	N/A	ND	PASS
Clofentezine	0.003 / 0.009	0.01	N/A	ND	PASS
Clothianidin	0.008 / 0.025	0.025	N/A	ND	PASS
Coumaphos	0.003 / 0.010	0.01	N/A	ND	PASS
Cyantraniliprole	0.003 / 0.010	0.01	N/A	ND	PASS
Cyfluthrin	0.052 / 0.159	≥LOQ	N/A	ND	PASS
Cypermethrin	0.051/0.153	≥LOQ	N/A	ND	PASS
Cyprodinil	0.003 / 0.008	0.01	N/A	ND	PASS
Daminozide	0.026 / 0.077	≥LOQ	N/A	ND	PASS
Deltamethrin	0.059 / 0.180	≥LOQ	N/A	ND	PASS
Diazinon	0.006 / 0.017	≥LOQ	N/A	ND	PASS
Dichlorvos (DDVP)	0.012 / 0.038	0.05	N/A	ND	PASS
Dimethoate	0.003 / 0.009	0.01	N/A	ND	PASS
Dimethomorph	0.016 / 0.050	≥LOQ	N/A	ND	PASS
Dinotefuran	0.010 / 0.030	0.05	N/A	ND	PASS
Diuron	0.013 / 0.040	≥LOQ	N/A	ND	PASS
Dodemorph	0.012 / 0.035	≥LOQ	N/A	ND	PASS
Endosulfan sulfate	0.016/0.048	2.5	N/A	ND	PASS
Endosulfan-α*	0.004 / 0.014	2.5	N/A	ND	PASS
Endosulfan-β*	0.006 / 0.019	2.5	N/A	ND	PASS
Ethoprophos	0.003 / 0.009	0.01	N/A	ND	PASS
Etofenprox	0.014 / 0.042	≥LOQ	N/A	ND	PASS
Etoxazole	0.007 / 0.020	≥LOQ	N/A	ND	PASS

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Pesticide Analysis Continued

PESTICIDE TEST RESULTS - 10/03/2022 continued **⊘** PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (μg/g)	RESULT
Etridiazole*	0.002 / 0.005	0.15	N/A	ND	PASS
Fenhexamid	0.003 / 0.008	≥LOQ	N/A	ND	PASS
Fenoxycarb	0.003 / 0.010	0.01	N/A	ND	PASS
Fenpyroximate	0.007 / 0.020	≥LOQ	N/A	ND	PASS
Fensulfothion	0.003 / 0.010	0.01	N/A	ND	PASS
Fenthion	0.003/0.010	0.01	N/A	ND	PASS
Fenvalerate	0.033 / 0.099	≥LOQ	N/A	ND	PASS
Fipronil	0.003/0.010	0.01	N/A	ND	PASS
Flonicamid	0.007/0.022	0.025	N/A	ND	PASS
Fludioxonil	0.003 / 0.010	0.01	N/A	ND	PASS
Fluopyram	0.003/0.009	0.01	N/A	ND	PASS
Hexythiazox	0.003/0.010	≥LOQ	N/A	ND	PASS
Imazalil	0.003/0.009	0.01	N/A	ND	PASS
Imidacloprid	0.003/0.010	0.01	N/A	ND	PASS
Iprodione	0.077 / 0.233	0.5	N/A	ND	PASS
Kinoprene	0.077 / 0.233	1.25	N/A	ND	PASS
Kresoxim-methyl	0.006/0.019	0.15	N/A	ND	PASS
λ -Cyhalothrin	0.068 / 0.206	≥LOQ	N/A	ND	PASS
Malathion	0.003 / 0.009	0.01	N/A	ND	PASS
Metalaxyl	0.003/0.010	0.01	N/A	ND	PASS
Methiocarb	0.003 / 0.008	0.01	N/A	ND	PASS
Methomyl	0.008/0.025	0.025	N/A	ND	PASS
Methoprene	0.172/0.521	≥LOQ	N/A	ND	PASS
Mevinphos	0.008/0 <mark>.024</mark>	0.025	N/A	ND	PASS
MGK-264	0.015/0.047	≥LOQ	N/A	ND	PASS
Myclobutanil	0.003/0.009	0.01	N/A	ND	PASS
Naled	0.021/0.064	≥LOQ	N/A	ND	PASS
Novaluron	0.002 / 0.005	0.025	N/A	ND	PASS
Oxamyl	0.017 / 0.051	1.5	N/A	ND	PASS
Paclobutrazol	0.003 / 0.010	0.01	N/A	ND	PASS
Parathion-methyl	0.016 / 0.050	≥LOQ	N/A	ND	PASS
Pentachloronitrobenzene*	0.004 / 0.012	≥LOQ	N/A	ND	PASS
Permethrin	0.056 / 0.168	≥LOQ	N/A	ND	PASS
Phenothrin	0.016 / 0.047	≥LOQ	N/A	ND	PASS
Phosmet	0.007/0.020	≥LOQ	N/A	ND	PASS
Piperonyl Butoxide	0.010/0.029	1.25	N/A	ND	PASS
Pirimicarb	0.003/0.009	0.01	N/A	ND	PASS
Prallethrin	0.015 / 0.046	≥LOQ	N/A	ND	PASS
Propiconazole	0.027 / 0.080	≥LOQ	N/A	ND	PASS
Propoxur	0.003 / 0.008	0.01	N/A	ND	PASS
Pyraclostrobin	0.003 / 0.010	0.01	N/A	ND	PASS

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Hemp Quality Assurance Testing



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Pesticide Analysis Continued

PESTICIDE TEST RESULTS - 10/03/2022 continued **⊘** PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (μg/g)	RESULT
Pyrethrins	0.016 / 0.049	≥LOQ	N/A	ND	PASS
Pyridaben	0.005/0.017	0.02	N/A	ND	PASS
Pyriproxyfen	0.003 / 0.009	≥LOQ	N/A	ND	PASS
Resmethrin	0.013/0.039	0.05	N/A	ND	PASS
Spinetoram	0.003 / 0.010	0.01	N/A	ND	PASS
Spinosad	0.003 / 0.010	0.01	N/A	ND	PASS
Spirodiclofen	0.031 / 0.093	≥LOQ	N/A	ND	PASS
Spiromesifen	0.016 / 0.050	≥LOQ	N/A	ND	PASS
Spirotetramat	0.003/0.010	0.01	N/A	ND	PASS
Spiroxamine	0.020 / 0.062	≥LOQ	N/A	ND	PASS
Tebuconazole	0.003 / 0.010	0.01	N/A	ND	PASS
Tebufenozide	0.003 / 0.008	0.01	N/A	ND	PASS
Teflubenzuron	0.007 / 0.022	0.025	N/A	ND	PASS
Tetrachlorvinphos	0.003 / 0.008	0.01	N/A	ND	PASS
Tetramethrin	0.021 / 0.063	≥LOQ	N/A	ND	PASS
Thiabendazole	0.006 / 0.020	≥LOQ	N/A	ND	PASS
Thiacloprid	0.003 / 0.009	0.01	N/A	ND	PASS
Thiamethoxam	0.003 / 0.010	0.01	N/A	ND	PASS
Thiophanate-methyl	0.013 / 0.040	≥LOQ	N/A	ND	PASS
Trifloxystrobin	0.003 / 0.009	0.01	N/A	ND	PASS



Mycotoxin Analysis

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by

MYCOTOXIN TEST RESULTS - 10/03/2022 PASS

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (μg/kg)	RESULT (µg/kg)	RESULT
Aflatoxin B1	1.6 / <mark>5.0</mark>	5	N/A	ND	PASS
Aflatoxin B2	1. <mark>4 / 4.1</mark>		N/A	ND	
Aflatoxin G1	1.6 / 4.9		N/A	ND	
Aflatoxin G2	1.6 / 5.0		N/A	ND	
Total Aflatoxin		20		ND	PASS
Ochratoxin A	1.6 / 5.0	5	N/A	ND	PASS





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Residual Solvents Analysis

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP 1204 - Analysis of Residual Solvents by GC-MS

Total Butanes = n-Butane + 2-Methylpropane (Isobutane)
Total Heptanes = 2,2-Dimethylpentane (Neoheptane) +
2,3-Dimethylpentane + 2,4-Dimethylpentane + 3,3-Dimethylpentane +
2,2,3-Trimethylbutane (Triptane) + 2-Methylhexane (Isoheptane) +
3-Methylhexane + 3-Ethylpentane + n-Heptane
Total Xylenes = 1,2-Dimethylbenzene (o-Xylene) +

1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene)

RESIDUAL SOLVENTS TEST RESULTS - 10/07/2022 **⊘ PASS**

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
Propane	0.234 / 0.781	1000	N/A	ND	PASS
2-Methylpropane (Isobutane)	0.052 / 0.173		N/A	ND	
n-Butane	0.019 / 0.063		±0.0332	0.802	
Total Butanes		1000		0.802	PASS
n-Pentane	0.310 / 1.033	1000	N/A	ND	PASS
n-Hexane	0.110 / 0.366	60	N/A	ND	PASS
2,2-Dimethylpentane (Neoheptane)	0.493 / 1.642		N/A	ND	
2,3-Dimethylpentane	1.009 / 3.365		N/A	ND	
2,4-Dimethylpentane	0.737 / 2.458		N/A	ND	
3,3-Dimethylpentane	0.198 / 0.660		N/A	ND	
2,2,3-Trimethylbutane (Triptane)	0.521 / 1.738		N/A	ND	
2-Methylhexane (Isoheptane)	0.610 / 2.034		N/A	ND	
3-Methylhexane	0.235 / 0.785		N/A	ND	
3-Ethylpentane	0.304 / 1.012		N/A	ND	
n-Heptane	13.12 / 43.72		N/A	ND	
Total Heptanes		1000		ND	PASS
Benzene	0.089 / 0.295	2	N/A	ND	PASS
Toluene	0.115 / 0.382	180	N/A	ND	PASS
1,3-Dimethylbenzene / 1,4-Dimethylbenzene	0.451 / 1.502		N/A	ND	
1,2-Dimethylbenzene (o-Xylene)	0.387 / 1.289		N/A	ND	
Total Xylenes		430		ND	PASS
Methanol	5.534 / 16.77	600	N/A	ND	PASS
Ethanol	8.984/27.23	1000	±14.995	961.21	PASS
2-Propanol (Isopropyl Alcohol)	8.421 / 25.52	1000	N/A	ND	PASS
Acetone	9.510/28.82	1000	N/A	ND	PASS



Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

HEAVY METALS TEST RESULTS - 10/07/2022 **⊘ PASS**

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (μg/g)	RESULT
Arsenic	0.02/0.1	1.5	N/A	ND	PASS
Cadmium	0.02 / 0.05	0.5	N/A	ND	PASS
Lead	0.04 / 0.1	0.5	N/A	ND	PASS
Mercury	0.002 / 0.01	1.5	N/A	ND	PASS







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Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

COMPOUND	(cfu/g)	(cfu/g)	RESULT
Shiga toxin-producing Escherichia coli	Not Detected in 1g	ND	PASS
Salmonella spp.	Not Detected in 1g	ND	PASS
Listeria monocytogenes		ND	
Bile-Tolerant Gram-Negative Bacteria		ND	

Analysis conducted by $3M^{\rm TM}$ Petrifilm $^{\rm TM}$ and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with $3M^{TM}$ Petrifilm TM

MICROBIOLOGY TEST RESULTS (PLATING) - 10/05/2022 PASS

MICROBIOLOGY TEST RESULTS (PCR) - 10/05/2022 PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	RESULT
Total Aerobic Bacteria	10000	ND	PASS
Total Yeast and Mold	1000	ND	PASS
Coliforms	100	ND	PASS