



Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

ICAL ID: 20220907-031
Sample: CA220907-016-037
Mota Hari XX
Strain: Mota Hari XX
Category: Plant

Brothers Grimm Seeds
Lic. #
N/a
San Diego, CA 92121
Lic. #

Batch#: 0619223
Batch Size Collected:
Total Batch Size:
Collected: 09/09/2022; Received: 09/09/2022
Completed: 09/09/2022

Moisture 10.7% Water Activity NT	Total THC 25.26%	Total CBD 0.05%	Total Cannabinoids 26.28%	Total Terpenes 14.062 mg/g
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Summary	SOP Used	Date Tested	Complete
Batch			Complete
Cannabinoids	POT-PREP-003	09/07/2022	Complete
Moisture	MOISTURE-001	09/07/2022	10.7%
Terpenes	TERP-PREP-001	09/08/2022	Complete



Scan to see results

Cannabinoid Profile

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g
THCa	0.1076	0.0359	27.95	279.5	CBDV	0.0978	0.0157	ND	ND
Δ9-THC	0.0978	0.0261	0.75	7.5	CBN	0.0978	0.0223	ND	ND
Δ8-THC	0.0978	0.0158	ND	ND	CBGa	0.1044	0.0348	0.90	9.0
THCV	0.0978	0.0121	ND	ND	CBG	0.0978	0.0223	0.18	1.8
CBDa	0.1414	0.0471	0.06	0.6	CBC	0.1935	0.0645	ND	ND
CBD	0.0978	0.0198	ND	ND	Total THC			25.26	252.55
					Total CBD			0.05	0.53
					Total			26.28	262.77

Total THC=THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD. LOD= Limit of Detection, LOQ= Limit of Quantitation, ND= Not Detected, NR= Not Reported. Potency is reported on a dry weight basis. Instrumentation and analysis SOPs used: Cannabinoids:UHPLC-DAD(POT-INST-005),Moisture:Moisture Analyzer(MOISTURE-001),Water Activity:Water Activity Meter(WA-INST-002), Foreign Material:Microscope(FOREIGN-001). Density measured at 19-24 °C, Water Activity measured at 0-90% RH. All QA submitted by the client, All CA State Compliance sampled using SAMPL-SOP-001.

Terpene Profile

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g
β-Caryophyllene	0.608	0.160	4.567	4.567	Cedrol	0.151	0.016	ND	ND
δ-Limonene	0.306	0.085	3.326	3.326	cis-Nerolidol	0.347	0.116	ND	ND
α-Humulene	0.151	0.022	1.809	1.809	Citronellol	0.598	0.121	ND	ND
α-Pinene	0.151	0.017	0.985	0.985	δ-3-Carene	0.306	0.029	ND	ND
β-Pinene	0.306	0.029	0.959	0.959	Eucalyptol	0.184	0.061	ND	ND
Fenchol	0.152	0.015	0.687	0.687	Fenchone	0.151	0.005	<LOQ	<LOQ
β-Myrcene	0.153	0.025	0.559	0.559	γ-Terpinene	0.152	0.028	ND	ND
Linalool	0.154	0.031	0.513	0.513	Geraniol	0.609	0.091	ND	ND
α-Terpineol	0.154	0.025	0.497	0.497	Geranyl Acetate	0.151	0.021	ND	ND
Camphene	0.151	0.013	0.160	0.160	Isoborneol	0.151	0.020	ND	ND
α-Bisabolol	0.151	0.049	ND	ND	Menthol	0.185	0.062	ND	ND
α-Cedrene	0.151	0.044	ND	ND	(-)-Guaiaol	0.154	0.023	ND	ND
α-Terpinene	0.151	0.037	ND	ND	Pulegone	0.151	0.050	ND	ND
β-Eudesmol	0.216	0.072	ND	ND	p-Cymene	0.155	0.046	ND	ND
Borneol	0.154	0.019	<LOQ	<LOQ	Terpinolene	0.154	0.017	<LOQ	<LOQ
Camphor	0.306	0.051	ND	ND	trans-Nerolidol	0.124	0.041	ND	ND
Caryophyllene Oxide	0.602	0.068	ND	ND	Total			14.062	14.062

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP TERP-INST-003.



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Josh M Swider

Josh Swider
Lab Director, Managing Partner
09/09/2022

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This product has been tested by Infinite Chemical Analysis, LLC using valid testing methodologies and a quality system as required by state law. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 15730, pursuant to 16 CCR section 15726(e)(13). Values reported relate only to the product tested. Infinite Chemical Analysis, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Infinite Chemical Analysis, LLC.



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Residual Solvent Analysis

Category 1	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status
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NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP RS-INST-003.

Heavy Metal Screening

	LOQ	LOD	Limit	Status
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NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: ICP-MS; samples analyzed according to SOP HM-INST-003.

Microbiological Screening

	Limit	Result	Status
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ND=Not Detected. Analytical instrumentation used:qPCR; samples analyzed according to SOP MICRO-INST-001.



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Chemical Residue Screening

Category 1	LOQ	LOD	Status	Mycotoxins	LOQ	LOD	Limit	Status
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Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status
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Other Analyte(s):

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: LC-MS-MS & GC-MS-MS; samples analyzed according to SOPs PESTMYCO-LC-INST-004 and PEST-GC-INST-003.



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