



Sleep 2000mg Blend Pavate

Sample ID: G0I0019-02

Matrix: Hemp Products

Test ID: 5008282

Source ID: 2008011A/0812022

Date Sampled: 09/01/20

Date Accepted: 09/01/20



Results at a Glance

Total THC : 0.1507 %

Total Total Cannabinoids: 2,133 mg

Residual Solvent Analysis : PASS



Eric Wendt
Chief Science Officer - 9/8/2020

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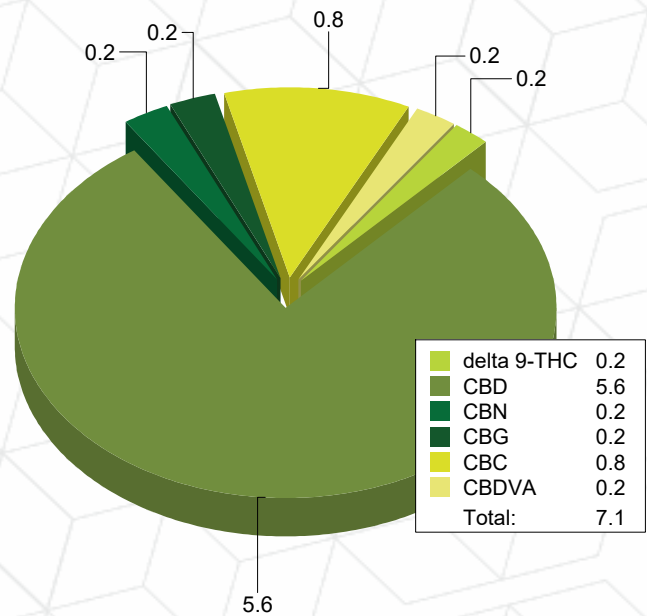
Potency Analysis

Date/Time Extracted: 09/02/20 14:00

Analysis Method/SOP: 215

Batch Identification: 2036036

Cannabinoids	LOQ (%)	mg/g	Cannabinoids Profile	
Total THC	0.1167	1.507		
Total CBD	0.1217	55.99		
THCA	0.1685	< LOQ		
delta 9-THC	0.1167	1.507		
THCV	0.1144	< LOQ		
THCVA	0.1713	< LOQ		
CBD	0.1217	55.99		
CBDA	0.1677	< LOQ		
CBDV	0.1178	< LOQ		
CBDVA	0.1617	1.781		
CBN	0.1058	2.003		
CBG	0.1230	1.965		
CBGA	0.1631	< LOQ		
CBC	0.1543	7.852		
Total CBD		55.99		
Total Cannabinoids		71.098		



Total THC = delta 9-THC + (THCA * 0.877)

Total CBD = CBD + (CBDA * 0.877)

Total CBG = CBG + (CBGA * 0.878)

LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



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Date Sampled: 09/01/20

Date Accepted: 09/01/20



Residual Solvents

Date/Time Extracted: 09/02/20 09:17

Analysis Method/SOP: 205

Analyte	Result	Action Level	LOD	LOQ	Units
1,4-Dioxane	< LOQ	380		50.00	ppm
2-Butanol	< LOQ	5000		1000	ppm
2-Ethoxyethanol	< LOQ	160		80.00	ppm
2-Propanol (IPA)	< LOQ	5000		1000	ppm
Acetone	< LOQ	5000		1000	ppm
Acetonitrile	< LOQ	410		50.00	ppm
Benzene	< LOQ	2		1.000	ppm
Butanes	< LOQ	5000		1000	ppm
Cumene	< LOQ	70		35.00	ppm
Cyclohexane	< LOQ	3880		50.00	ppm
Dichloromethane	< LOQ	600		50.00	ppm
Ethyl acetate	< LOQ	5000		1000	ppm
Ethyl benzene	< LOQ	2170		35.00	ppm
Ethyl ether	< LOQ	5000		1000	ppm
Ethylene glycol	< LOQ	620		310.0	ppm
Ethylene oxide	< LOQ	50		25.00	ppm
Heptane	< LOQ	5000		1000	ppm
Hexanes	< LOQ	290		50.00	ppm
Isopropyl acetate	< LOQ	5000		1000	ppm
Methanol	< LOQ	3000		1000	ppm
Pentanes	< LOQ	5000		1000	ppm
Propane	< LOQ	5000		1000	ppm
Tetrahydrofuran	< LOQ	720		50.00	ppm
Toluene	< LOQ	890		50.00	ppm
Xylenes	< LOQ	2170		50.00	ppm

<LOQ - Results below the Limit of Quantitation

Results above the Action Level fail state testing requirements and will be highlighted **Red**.



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Quality Control Potency

Batch: 2036036 - 215-Products

Blank(2036036-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.0221	%		09/02/20 14:00	09/02/20 23:00
delta 9-THC	< LOQ	0.0153	%		09/02/20 14:00	09/02/20 23:00
THCV	< LOQ	0.0150	%		09/02/20 14:00	09/02/20 23:00
THCVA	< LOQ	0.0224	%		09/02/20 14:00	09/02/20 23:00
CBD	< LOQ	0.0159	%		09/02/20 14:00	09/02/20 23:00
CBDA	< LOQ	0.0220	%		09/02/20 14:00	09/02/20 23:00
CBDV	< LOQ	0.0154	%		09/02/20 14:00	09/02/20 23:00
CBDVA	< LOQ	0.0212	%		09/02/20 14:00	09/02/20 23:00
CBN	< LOQ	0.0138	%		09/02/20 14:00	09/02/20 23:00
CBG	< LOQ	0.0161	%		09/02/20 14:00	09/02/20 23:00
CBGA	< LOQ	0.0213	%		09/02/20 14:00	09/02/20 23:00
CBC	< LOQ	0.0202	%		09/02/20 14:00	09/02/20 23:00

Reference(2036036-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
delta 9-THC	90.5	0.0153	%	80-120	09/02/20 14:00	09/02/20 23:23
CBD	92.4	0.0159	%	80-120	09/02/20 14:00	09/02/20 23:23

Solvent Analysis

Batch: 2036026 - 205

Blank(2036026-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	< LOQ	1000	ppm		09/02/20 09:17	09/03/20 09:30
Acetonitrile	< LOQ	50.00	ppm		09/02/20 09:17	09/03/20 09:30
Benzene	< LOQ	1.000	ppm		09/02/20 09:17	09/03/20 09:30
Butanes	< LOQ	1000	ppm		09/02/20 09:17	09/03/20 09:30
2-Butanol	< LOQ	1000	ppm		09/02/20 09:17	09/03/20 09:30
Cumene	< LOQ	35.00	ppm		09/02/20 09:17	09/03/20 09:30
Cyclohexane	< LOQ	50.00	ppm		09/02/20 09:17	09/03/20 09:30
Dichloromethane	< LOQ	50.00	ppm		09/02/20 09:17	09/03/20 09:30
1,4-Dioxane	< LOQ	50.00	ppm		09/02/20 09:17	09/03/20 09:30
2-Ethoxyethanol	< LOQ	80.00	ppm		09/02/20 09:17	09/03/20 09:30
Ethyl acetate	< LOQ	1000	ppm		09/02/20 09:17	09/03/20 09:30
Ethyl benzene	< LOQ	35.00	ppm		09/02/20 09:17	09/03/20 09:30
Ethylene glycol	< LOQ	310.0	ppm		09/02/20 09:17	09/03/20 09:30
Ethylene oxide	< LOQ	25.00	ppm		09/02/20 09:17	09/03/20 09:30
Ethyl ether	< LOQ	1000	ppm		09/02/20 09:17	09/03/20 09:30
Heptane	< LOQ	1000	ppm		09/02/20 09:17	09/03/20 09:30
Hexanes	< LOQ	50.00	ppm		09/02/20 09:17	09/03/20 09:30



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Quality Control Solvent Analysis (Continued)

Batch: 2036026 - 205 (Continued)

Blank(2036026-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Isopropyl acetate	< LOQ	1000	ppm		09/02/20 09:17	09/03/20 09:30
Methanol	< LOQ	1000	ppm		09/02/20 09:17	09/03/20 09:30
Pentanes	< LOQ	1000	ppm		09/02/20 09:17	09/03/20 09:30
Propane	< LOQ	1000	ppm		09/02/20 09:17	09/03/20 09:30
2-Propanol (IPA)	< LOQ	1000	ppm		09/02/20 09:17	09/03/20 09:30
Tetrahydrofuran	< LOQ	50.00	ppm		09/02/20 09:17	09/03/20 09:30
Toluene	< LOQ	50.00	ppm		09/02/20 09:17	09/03/20 09:30
Xylenes	< LOQ	50.00	ppm		09/02/20 09:17	09/03/20 09:30

LCS(2036026-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Acetone	97.7	1000	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Acetonitrile	99.4	50.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Benzene	90.2	1.000	ppm	70-130	09/02/20 09:17	09/02/20 11:48
n-Butane	96.4	50.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Butanes	95.8	1000	ppm	70-130	09/02/20 09:17	09/02/20 11:48
2-Butanol	98.9	1000	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Cumene	99.4	35.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Cyclohexane	98.9	50.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Dichloromethane	99.8	50.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
1,4-Dioxane	98.8	50.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
2-Ethoxyethanol	69.9	80.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Ethyl acetate	99.5	1000	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Ethyl benzene	101	35.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Ethylene glycol	89.7	310.0	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Ethylene oxide	97.5	25.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Ethyl ether	99.5	1000	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Heptane	102	1000	ppm	70-130	09/02/20 09:17	09/02/20 11:48
n-Hexane	100	50.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Hexanes	99.2	50.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
iso-Butane	94.7	50.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Isopropyl acetate	98.0	1000	ppm	70-130	09/02/20 09:17	09/02/20 11:48
iso-Pentane	98.9	50.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Methanol	98.6	1000	ppm	70-130	09/02/20 09:17	09/02/20 11:48
2-Methylpentane	102	50.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
3-Methylpentane	100	50.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
neo-Pentane	95.3	50.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
n-Pentane	98.5	50.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Pentanes	97.5	1000	ppm	70-130	09/02/20 09:17	09/02/20 11:48



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Quality Control Solvent Analysis (Continued)

Batch: 2036026 - 205 (Continued)

LCS(2036026-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
Propane	89.2	1000	ppm	70-130	09/02/20 09:17	09/02/20 11:48
2-Propanol (IPA)	104	1000	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Tetrahydrofuran	101	50.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48
Toluene	99.9	50.00	ppm	70-130	09/02/20 09:17	09/02/20 11:48



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