



Luna USA Organics Corp

0525008926 10 mg CBN, 10 mg CBD, 5 mg

Melatonin Blood Orange

Laboratory ID:	JF02014-02	Sample Date:	06/02/25
Sample Matrix:	Gummy	Received:	06/02/25 16:30
Batch Unit Size:	4.5 g	Completed:	11/26/25 12:04
Description:	--		

POTENCY SUMMARY (As Received)

<u>Total CBD</u>	<u>Total THC</u>	<u>Total Cannabinoids</u>
0.207% (9.32 mg)	<LOQ%	0.412% (18.5 mg)

Analyte	%	mg
CBD	0.207	9.32
CBN	0.205	9.23
CBC	<LOQ	<LOQ
CBDa	<LOQ	<LOQ
CBDV	<LOQ	<LOQ
CBG	<LOQ	<LOQ
CBGa	<LOQ	<LOQ
delta 8-THC	<LOQ	<LOQ
delta 9-THC	<LOQ	<LOQ
THCa	<LOQ	<LOQ
THCV	<LOQ	<LOQ

TERPENES SUMMARY (Top Ten)

Terpenes
Not Tested

ANALYSIS SUMMARY

Potency	PASS	Homogeneity	Not Tested	Terpenes	Not Tested
Residual Solvents	PASS	% Moisture	Not Tested	Water Activity	Not Tested
Foreign Matter	Not Tested	Pesticides	PASS	Mycotoxins	PASS
Heavy Metals	PASS	Microbials	PASS		

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LOQ = Limit of Quantification ND = Non-Detect RPD = Relative Percent Difference MDL = Method Detection Limit PQL = Practical Quantitation Limit

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Sample Matrix: Gummy
Description: --

Sample Date: 6/2/2025
Received: 06/02/25 16:30
Completed: 11/26/25 12:04

Potency by HPLC

Batch: B5F0301
 SOP: MCS-SOP-002

Prep By: 1005
 Prep On: 6/3/25 15:53

Ana. By: 1057
 Ana. On: 6/3/25 18:25

Initial (g): 1.0012
 Final (g): 10

Analyte (%)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (%)	Result	Diln	Reg. Limit	MDL	PQL
Total THC	ND	10	0.3	0.00320	0.0468	Total CBD	0.207	10		0.00489	0.0468
delta 8-THC	ND	10		0.00160	0.0250	delta 9-THC	ND	10	0.3	0.00170	0.0250
THCa	ND	10		0.00170	0.0250	THCV	ND	10		0.00360	0.0250
CBD	0.207	10		0.00330	0.0250	CBDa	ND	10		0.00200	0.0250
CBDV	ND	10		0.00220	0.0250	CBC	ND	10		0.00749	0.0250
CBG	ND	10		0.00160	0.0250	CBGa	ND	10		0.00160	0.0250
CBN	0.205	10		0.00190	0.0250						

Residual Solvents by GC/MS-HS

Batch: B5F0218
 SOP: MCS-SOP-003

Prep By: 1005
 Prep On: 6/4/25 17:09

Ana. By: 1028
 Ana. On: 6/5/25 00:01

Initial (g): 0.0224
 Final (g): 20

Analyte (mg/kg)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (mg/kg)	Result	Diln	Reg. Limit	MDL	PQL
Propane	ND	1	5000	89.3	223	n-Butane	ND	1	5000	89.3	223
Methanol	ND	1	250	22.3	89.3	Ethylene Oxide	ND	1	5	0.446	2.23
Ethanol	202	1	5000	89.3	223	Pentane	ND	1	750	67.0	223
Ethyl Ether	ND	1	500	44.6	223	Acetone	ND	1	750	67.0	223
1,1-Dichloroethylene	ND	1	8	0.274	1.34	Isopropyl Alcohol (2-Propanol)	ND	1	500	44.6	223
Acetonitrile	ND	1	60	5.36	26.8	Methylene Chloride	ND	1	125	11.2	44.6
Hexane	ND	1	250	22.3	112	Ethyl Acetate	ND	1	400	35.7	179
Chloroform	ND	1	2	0.123	0.893	1,2-Dichloroethane	ND	1	2	0.161	0.893
Benzene	ND	1	1	0.0512	0.0893	Heptane	ND	1	5000	89.3	223
Trichloroethene (Trichloroethylene)	ND	1	25	0.240	1.34	Toluene	ND	1	150	13.4	67.0
m/p-Xylenes	ND	1	100	6.70	26.8	o-xylene	ND	1	50	6.70	26.8

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Sample Matrix: Gummy
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Sample Date: 6/2/2025
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Completed: 11/26/25 12:04

Pesticides by LC-QQQ

Batch: B5F0302
 SOP: MCS-SOP-001b

Prep By: 1005
 Prep On: 6/3/25 16:02

Ana. By: 1056
 Ana. On: 6/4/25 19:24

Initial (g): 1.0032
 Final (g): 25

Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL
Abamectin, Total	ND	10	300	12.3	49.8	Acephate	ND	10	3000	9.75	24.9
Acequinocyl	ND	10	2000	11.6	49.8	Acetamiprid	ND	10	3000	15.1	24.9
Aldicarb	ND	10	100	12.8	24.9	Azoxystrobin	ND	10	3000	3.25	9.97
Bifenazate	ND	10	3000	3.66	24.9	Bifenthrin	ND	10	500	9.41	12.5
Boscalid	ND	10	3000	18.2	49.8	Carbaryl	ND	10	500	7.20	24.9
Carbofuran	ND	10	100	2.28	12.5	Chlorantraniliprole	ND	10	3000	5.10	125
Chlormequat chloride	ND	10	3000	9.33	49.8	Chlorpyrifos	ND	10	100	4.41	24.9
Clofentezine	ND	10	500	14.9	24.9	Coumaphos	ND	10	100	4.48	24.9
Cyfluthrin	ND	10	1000	26.6	49.8	Cypermethrin	ND	10	1000	11.3	125
Daminozide	ND	10	100	6.30	49.8	Diazinon	ND	10	200	3.18	12.5
Dichlorvos	ND	10	100	5.77	49.8	Dimethoate	ND	10	100	1.28	12.5
Dimethomorph, Total	ND	10	3000	2.49	49.8	Ethoprophos	ND	10	100	2.36	12.5
Etofenprox	ND	10	100	12.7	24.9	Etoazole	ND	10	1500	15.3	24.9
Fenhexamid	ND	10	3000	5.40	49.8	Fenoxycarb	ND	10	100	4.68	24.9
Fenpyroximate	ND	10	2000	5.51	12.5	Fipronil	ND	10	100	14.3	49.8
Flonicamid	ND	10	2000	6.89	24.9	Fludioxonil	ND	10	3000	11.0	49.8
Hexythiazox	ND	10	2000	5.84	12.5	Imazalil	ND	10	100	9.58	49.8
Imidacloprid	ND	10	3000	17.2	24.9	Kresoxim-Methyl	ND	10	1000	7.60	24.9
Malathion	ND	10	2000	10.7	49.8	Metalaxyl	ND	10	3000	4.46	12.5
Methiocarb	ND	10	100	11.8	24.9	Methomyl	ND	10	100	4.41	12.5
Mevinphos	ND	10	100	9.26	24.9	Myclobutanil	ND	10	3000	16.3	24.9
Dibrom (Naled)	ND	10	500	6.02	49.8	Oxamyl	ND	10	500	2.33	12.5
Paclobutrazol	ND	10	100	12.2	24.9	Permethrin	ND	10	1000	16.3	24.9
Phosmet	ND	10	200	9.14	24.9	Piperonyl butoxide	ND	10	3000	5.80	12.5
Prallethrin	ND	10	400	5.50	24.9	Propiconazole (Tilt)	ND	10	1000	17.9	49.8
Baygon (Propoxur)	ND	10	100	5.43	12.5	Pyrethrins, Total	ND	10	1000	10.9	49.8
Pyridaben	ND	10	3000	6.24	12.5	Spinetoram, Total	ND	10	3000	11.7	49.8
Spiromesifen	ND	10	3000	2.23	12.5	Spirotetramat	ND	10	3000	6.65	24.9
Spiroxamine	ND	10	100	6.80	12.5	Tebuconazole	ND	10	1000	18.9	24.9
Thiacloprid	ND	10	100	14.4	24.9	Thiamethoxam	ND	10	1000	15.8	24.9
Trifloxystrobin	ND	10	3000	6.03	12.5	Spinosad, Total	ND	10	3000	4.43	36.1

Pesticides by GC-QQQ

Batch: B5F0302
 SOP: MCS-SOP-001a

Prep By: 1005
 Prep On: 6/3/25 16:02

Ana. By: 1039
 Ana. On: 6/5/25 03:40

Initial (g): 1.0032
 Final (g): 25

Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL
Pentachloronitrobenzene (quintozene)	ND	5	200	34.1	74.8	Methyl parathion	ND	5	100	17.0	74.8
Captan	ND	5	3000	49.1	74.8	Chlordane, Total	ND	5	100	38.9	74.8
Chlorfenapyr	ND	5	100	43.5	74.8						

Mycotoxins by LC-QQQ

Batch: B5F0302
 SOP: MCS-SOP-001b

Prep By: 1005
 Prep On: 6/3/25 16:02

Ana. By: 1056
 Ana. On: 6/4/25 23:16

Initial (g): 1.0032
 Final (g): 25

Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL
Aflatoxin, Total	ND	10	20	9.97	9.97	Ochratoxin A	ND	10	20	2.51	9.97
Aflatoxin G2	ND	10	20	7.45	9.97	Aflatoxin G1	ND	10	20	3.23	9.97
Aflatoxin B2	ND	10	20	3.87	9.97	Aflatoxin B1	ND	10	20	2.93	9.97

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Total Metals by ICP-MS

Batch: B5F0303
 SOP: MCS-SOP-I01

Prep By: 1029
 Prep On: 6/4/25 10:28

Ana. By: 1005
 Ana. On: 6/4/25 15:39

Initial (g): 0.2542
 Final (g): 25

Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL
Arsenic	ND	1	1500	19.7	98.3	Cadmium	ND	1	500	19.7	98.3
Lead	ND	1	500	49.2	246	Mercury	ND	1	3000	19.7	49.2

Microbials by qPCR

Batch: B5F0316
 SOP: MCS-SOP-M01

Prep By: 1005
 Prep On: 6/3/25 16:58

Ana. By: 1005
 Ana. On: 6/4/25 18:20

Initial (g): 1.0048
 Final (g): 2.4

Analyte (CFU)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (CFU)	Result	Diln	Reg. Limit	MDL	PQL
Aspergillus flavus	Absent	1	1	1.00	1.00	Aspergillus fumigatus	Absent	1	1	1.00	1.00
Aspergillus niger	Absent	1	1	1.00	1.00	Aspergillus terreus	Absent	1	1	1.00	1.00
Aspergillus Total	Absent	1	1	1.00	1.00	Salmonella	Absent	1	1	1.00	1.00
Shiga Toxin E.coli	Absent	1	1	1.00	1.00						

Quantitative Microbials by qPCR

Batch: B5F0317
 SOP: MCS-SOP-M01

Prep By: 1005
 Prep On: 6/4/25 11:16

Ana. By: 1005
 Ana. On: 6/4/25 12:05

Initial (g): 1.0015
 Final (g): 7

Analyte (CFU)	Result	Diln	Reg. Limit	MDL	PQL
Yeast & Mold	Absent	1	100000	1000	1000