



**Certificate of Analysis**  
Compliance Test

Client Information:

**HEMP-EMU**  
295 GOOLSBY BLVD  
DEERFIELD BEACH, FL 33442  
Order # HEM250527-040001  
Order Date: 2025-05-27  
Sample # AAGT388

Batch # 42725N1500  
Batch Date: 2025-04-27  
Extracted From: Hemp

Test Reg State: Florida

Production Facility: Emerald corp  
Production Date: 2025-04-27

Sampling Date: 2025-05-31  
Lab Batch Date: 2025-05-31  
Completion Date: 2025-06-06

Initial Gross Weight: 205.187 g  
Net Weight: 172.887 g

Number of Units: 1  
Net Weight per Unit: 172887.000 mg



**Potency Tested**



**Theanine-Caffeine-Melatonin Tested**

Product Image

**Potency 10**  
Specimen Weight: 1510.300 mg

**Tested**  
SOP13.001 (LCUV)



**Potency Summary**

<b>Total Active THC</b> None Detected	<b>Total Active CBD</b> 1338.145 mg
<b>Total CBG</b> 5.187 mg	<b>Total CBN</b> 269.704 mg
<b>Total Cannabinoids</b> 1619.951 mg	

Pieces For Panel: 60

Analyte	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
CBD	5.40E-5	0.0015	7.7400	0.7740
CBN	1.40E-5	0.0015	1.5600	0.1560
CBDV	6.50E-5	0.0015	0.0400	0.0040
CBGA	8.00E-5	0.0015	0.0300	0.0030
CBC	1.80E-5	0.0015	<LOQ	<LOQ
CBDA	1.00E-5	0.0015	<LOQ	<LOQ
CBG	2.48E-4	0.0015	<LOQ	<LOQ
Delta-9 THC	1.30E-5	0.0015	<LOQ	<LOQ
THCA-A	3.20E-5	0.0015	<LOQ	<LOQ
THCV	7.00E-6	0.0015	<LOQ	<LOQ
Total Active CBD			7.740	0.774
Total Active THC			<LOQ	<LOQ

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.867), Total Active THC = THCA-A \* 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA \* 0.87), CBG Total = (CBGA \* 0.878) + CBG, CBN Total = (CBNA \* 0.876) + CBN, Total CBC = CBC + (CBCA \* 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 The results apply to the sample as received.  
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Initial Gross Weight: 205.187 g  
Net Weight: 172.887 g

Number of Units: 1  
Net Weight per Unit: 172887.000 mg

**Theanine-Caffeine-Melatonin**  
Specimen Weight: 61.000 mg

**Tested**  
SOP13.049 (LCMS)

Dilution Factor: 150.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Total/Piece (mg)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Total/Piece (mg)
Caffeine	1.78E-6	0.00025	0	0	0	Melatonin	3.8E-7	0.00025	1.11000	0.111	191.905
L-theanine	1.63E-6	0.00025	0	0	0						

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Definitions are found on page 1

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