

Polar lights- HM40P-0132

 Sample ID: SA-250416-60468
 Batch: THCP20250512 Type:
 Plant Material Matrix: Plant -
 Flower Unit Mass (g):

 Received: 04/17/2025
 Completed: 04/28/2025

 Client
 Hazy Mary
 Tallahassee, FL USA
 Lic. #: 2025-N-2149360


Summary

Test	Date Tested	Status
Cannabino i ds	04/ 23/ 2025	Tested
Mo i sture	04/ 23/ 2025	Tested
Foreign Matter	04/ 21/ 2025	Tested
Heavy Metals	04/ 22/ 2025	Tested
Microbials	04/ 28 / 2025	Tested
Mycotoxins	04/ 23/ 2025	Tested
P esti c i des	04/ 23/ 2025	Tested
Residual Solvents	04/ 21/ 2025	Tested

0.286 % Δ9-THC	5.48 % CBDA	14.46 % Total Cannabinoids	12.38 % Moisture Content	Not Detected Foreign Matter	Yes Internal Standard N o r m a l i z a t i o n
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 Generated By: Ryan Bellone
 Commercial Director
 Date: 04/28/2025


Sample #2

 Sample ID: SA-250416-60468
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Cannabinoids by HPLC-PDA and GC-MS/MS

Ana lyte	LOD (%)	LOQ (%)	Result (% dry)	Result (mg/g dry)
CBC	0.00095	0.0028	0.0394	0.394
CBCA	0.00181	0.0054	0.296	2.96
CBCV	0.0006	0.0018	ND	ND
CBD	0.00081	0.0024	0.667	6.67
CBDA	0.00043	0.0013	5.48	54.8
CBDP	0.00067	0.002	ND	ND
CBDV	0.00061	0.0018	ND	ND
C BD VA	0.00021	0.0006	0.0538	0.538
CBG	0.00057	0.0017	0.0387	0.387
CBGA	0.00049	0.0015	0.448	4.48
CBL	0.00112	0.0033	ND	ND
CBLA	0.00124	0.0037	0.0155	0.155
CBN	0.00056	0.0017	0.0861	0.861
CBNA	0.0006	0.0018	ND	ND
CBNP	0.00067	0.002	0.0119	0.119
CBT	0.0018	0.0054	0.0160	0.160
Δ 4,8- is o-TH C	0.00067	0.002	0.126	1.26
Δ6a,10a-THC	0.00067	0.002	0.614	6.14
Δ8-iso-THC	0.00067	0.002	ND	ND
Δ8-THC	0.00104	0.0031	0.0463	0.463
Δ8-THCP	0.00067	0.002	0.0372	0.372
Δ8-THCV	0.00067	0.002	ND	ND
Δ9-THC	0.00076	0.0023	0.286	2.86
Δ9-THCA	0.00084	0.0025	0.01	19.7
Δ9-THCP	0.00067	0.002	1.30	13.0
Δ9-THCV	0.00069	0.0021	0.0132	0.132
Δ9-THCVA	0.00062	0.0019	0.110	1.10
(6aR,9R)-Δ10-THC	0.00067	0.002	ND	ND
(6aR,9S)-Δ10-THC	0.00067	0.002	ND	ND
exo-THC	0.00067	0.002	ND	ND
(6aR,9R,10aR)-HHC	0.00067	0.002	ND	ND
(6aR,9S,10aR)-HHC	0.00067	0.002	4.03	40.3
	0.00067	0.002		9.06
				20.2
				166
Total Δ9-THC			0.29	
Total			16.6	

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ

= Delta; Total Δ9-THC = Δ9-THCA * 0.877 + Δ9-THC; Total CBD = CBDA * 0.877 + CBD;



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 Date: 04/28/2025



 Tested By: Scott Caudill
 Laboratory Manager
 Date: 04/23/2025

 ISO/IEC 17025:2017 Accredited
 Accreditation #108651


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Heavy Metals by ICP-MS

Ana lyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
A rseni c	0.002	0.02 0.02	0.0490
Cadmium	0.001	0.02 0.05	<LOQ
Lead	0.002		0.1 06
M erc u ry	0.012		<LOQ

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 Commercial Director
 Date: 04/28/2025



Tested By: Chris Farman
 Sc i e n t i s t
 Date: 04/22/2025



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Pesticides by LC-MS/MS and GC-MS/MS

Result (Analyte)	LOD (ppb)	LOQ (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
ND	30	100	Imazalilimidacloprid	30	100	ND
ND	30	100	Kresoxim methyl Malathi	30	100	ND
ND	30	100	on Metalaxy Methio carb	30	100	ND
ND	30	100	Methomy I Mev i	30	100	ND
ND	30	100	nphos Myclobutani	30	100	ND
ND	30	100	al ed Oxamyl Pac lo	30	100	ND
ND	30	100	butrazo l Parathion	30	100	ND
ND	30	100	methyl P entac hloro ni	30	100	ND
ND	30	100	tro benzene P ermethri n	30	100	ND
ND	30	100	P ho smet Piperonyl	30	100	ND
ND	30	100	Butoxide Pral l ethri n	30	100	ND
ND	30	100	Pro pi co nazo le Pro po	30	100	ND
ND	30	100	x ur P y rethri ns P y ri	30	100	ND
ND	30	100	daben S pi neto ram S pi	30	100	ND
ND	30	100	no sad S pi ro mesi fen S	30	100	ND
ND	30	100	pi ro tetramat S pi ro x	30	100	23300
ND	30	100	ami ne Tebuc o nazo le	30	100	ND
ND	30	100	Thi ac l o pri d Thi	100	100	ND
ND	100	100	ametho x am Tri flo xy	100	100	ND
ND	100	100	stro bi n	100	100	ND
ND	100	100		100	100	ND
ND	100	100		100	100	ND
ND	100	100		100	100	ND
ND	100	100		100	100	ND
ND	100	100		100	100	ND
ND	100	100		100	100	ND
ND	100	100		100	100	ND
ND	100	100		100	100	ND
ND	100	100		100	100	ND
ND	100	100		100	100	ND
ND	100	100		100	100	ND
ND	100	100		100	100	ND
ND	100	100		100	100	ND
ND	100	100		100	100	ND
ND	100	100		100	100	ND
ND	100	100		100	100	ND

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 Generated By: Ryan Bellone
 Commercial Director
 Date: 04/28/2025



 Tested By: Anthony Mattingly
 Scientist
 Date: 04/23/2025


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Mycotoxins by LC-MS/MS

Ana lyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	11	5	ND ND ND
B2	11	5	ND ND
G1			
G2			
Ochratoxin A			

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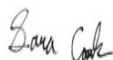
Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative) TNTC
Total aerobic count	1111110001		(>3,000) Not Detected per 1 gram
Aspergillus flavus	1111000		Not Detected per 1 gram
Aspergillus fumigatus			Not Detected per 1 gram
Aspergillus niger			Not Detected per 1 gram
Aspergillus terreus			Not Detected per 1 gram
Bile-tolerant gram-negative bacteria		ND	
Total coliforms			TNTC (>3,000)
Generic E. coli			TNTC (>3,000)
Salmonella spp.			Not Detected per 1 gram
Shiga-toxin producing E. coli (STEC)			Not Detected per 1 gram
Total yeast and mold count (TYMC)		30000	

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 Commercial Director
 Date: 04/28/2025



Tested By: Sara Cook
 Laboratory Technician
 Date: 04/28/2025



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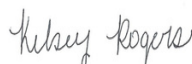
Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetonitrile	167	500	ND	Ethylene Oxide	0.5	1 500	ppm)
Benzene	14	41 1	ND	Heptane	167	29	ND
1-Butanol	0.5	500	ND	n-Hexane	10	500	ND
2-Butanone	167	500	ND	Iso-butane	167	500	ND
Chloroform	167	500	ND	Isopropyl Acetate	167	500	ND
Cyclohexane	167	500 6	ND	Isopropyl Alcohol	167	500	ND
1,2-Dichloroethane	167	388 1	ND	Iso-propyl benzene	167	300	ND
2,2-Dimethoxyethane	2	10	ND	Methanol	100	29 60	ND
Dimethyl Sulfoxide	129	500	ND	2-Methylbutane	10	29 29	ND
N,N-Dimethylacetamide	0.5	109 29	ND	Methylene Chloride	20	500	ND
2,3-Dimethylbutane	4	29 88	ND	2-Methylpentane	10	500	ND
N,N-Dimethylformamide	167	500	ND	3-Methylpentane	10	500	ND
1,4-Dioxane	37	38	ND	n-Pentane	10	500	ND
Ethanol	10	500 16	ND	1-Pentanol	167	500	ND
Ethyl Acetate	10	500	ND	n-Propane	167	20 72	ND
Ethyl Ether	30	500 7	ND	1-Propanol	167	89 8	ND
Benzene	167		ND	Pyridine	167	217	ND
	13		ND	Tetrahydrofuran	7		ND
	167		ND	Toluene	24		ND
	6		ND	Trichloroethylene	30		ND
	167		ND	Xylenes (o-, m-, and p-)	3		ND
	167		ND		73		ND
	3		ND				ND

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 Generated By: Ryan Bellone
 Commercial Director
 Date: 04/28/2025



 Tested By: Kelsey Rogers
 Scientist
 Date: 04/21/2025
