

## Alaskan Thunder\*ck

Sample ID: SA-250501-61209  
 Batch: CBGTHCP2025  
 Type: Plant Material  
 Matrix: Plant - Fortified / Sprayed  
 Unit Mass (g):

Received: 05/05/2025  
 Completed: 05/27/2025

**Client**

Major League Trees  
 10910 NW 144st  
 Hialeah Gardens, FL 33018  
 USA  
 Lic. #: 2025-N-2149360



### Summary

**Test**  
 Cannabinoids  
 Moisture  
 Foreign Matter  
 Heavy Metals  
 Microbials  
 Mycotoxins  
 Pesticides  
 Residual Solvents

**Date Tested**  
 05/13/2025  
 05/13/2025  
 05/20/2025  
 05/22/2025  
 05/27/2025  
 05/23/2025  
 05/23/2025  
 05/23/2025

**Status**  
 Tested  
 Tested  
 Tested  
 Tested  
 Tested  
 Tested  
 Tested  
 Tested

**0.0872 %**

Δ9-THC

**6.71 %**

CBGA

**14.6 %**

Total Cannabinoids

**2.71 %**

Moisture Content

**Not Detected**

Foreign Matter

**Yes**

Internal Standard  
 Normalization

Generated By: Ryan Bellone  
 Commercial Director  
 Date: 05/27/2025

This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 17025:2017 accredited quality system. Values reported relate only to the product or substance tested. The reported result is based on a sample weight. Unless otherwise stated, results of tests performed on all quality control samples met criteria for acceptance established by KCA Laboratories. KCA Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. This Certificate of Analysis shall not be reproduced except in full, without the written approval of KCA Laboratories. KCA Laboratories can provide measurement uncertainty upon request.



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**Cannabinoids by HPLC-PDA and GC-MS/MS**

Analyte	LOD (%)	LOQ (%)	Result (% dry)	Result (mg/g dry)
CBC	0.00095	0.0028	0.134	1.34
CBCA	0.00181	0.0054	0.245	2.45
CBCV	0.0006	0.0018	ND	ND
CBD	0.00081	0.0024	0.118	1.18
CBDA	0.00043	0.0013	0.0124	0.124
CBDP	0.00067	0.002	ND	ND
CBDV	0.00061	0.0018	ND	ND
CBDVA	0.00021	0.0006	ND	ND
CBG	0.00057	0.0017	0.477	4.77
CBGA	0.00049	0.0015	6.71	67.1
CBL	0.00112	0.0033	ND	ND
CBLA	0.00124	0.0037	ND	ND
CBN	0.00056	0.0017	0.0267	0.267
CBNA	0.0006	0.0018	ND	ND
CBNP	0.00067	0.002	0.0111	0.111
CBT	0.0018	0.0054	0.0219	0.219
Δ4,8-iso-THC	0.00067	0.002	0.121	1.21
Δ6a,10a-THC	0.00067	0.002	0.527	5.27
Δ8-iso-THC	0.00067	0.002	ND	ND
Δ8-THC	0.00104	0.0031	0.0426	0.426
Δ8-THCP	0.00067	0.002	0.0377	0.377
Δ8-THCV	0.00067	0.002	ND	ND
Δ9-THC	0.00076	0.0023	0.0872	0.872
Δ9-THCA	0.00084	0.0025	0.124	1.24
Δ9-THCP	0.00067	0.002	1.19	11.9
Δ9-THCV	0.00069	0.0021	ND	ND
Δ9-THCVA	0.00062	0.0019	ND	ND
(6aR,9R)-Δ10-THC	0.00067	0.002	0.0417	0.417
(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	3.71	37.1
(6aR,9S,10aR)-HHC	0.00067	0.002	0.981	9.81
<b>Total Δ9-THC</b>			<b>0.19623</b>	<b>1.96</b>
<b>Total</b>			<b>14.6</b>	<b>146</b>

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;



Generated By: Ryan Bellone  
 Commercial Director  
 Date: 05/27/2025



Tested By: Scott Caudill  
 Laboratory Manager  
 Date: 05/13/2025



ISO/IEC 17025:2017 Accredited  
 Accreditation #108651



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### Heavy Metals by ICP-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Arsenic	0.002	0.02	<LOQ
Cadmium	0.001	0.02	0.0340
Lead	0.002	0.02	<LOQ
Mercury	0.012	0.05	ND

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Generated By: Ryan Bellone  
 Commercial Director  
 Date: 05/27/2025



Tested By: Natalia Wright  
 Laboratory Technician  
 Date: 05/22/2025



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

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamectin	30	100	ND	Hexythiazox	30	100	ND
Acephate	30	100	ND	Imazalil	30	100	ND
Acetamiprid	30	100	ND	Imidacloprid	30	100	ND
Aldicarb	30	100	ND	Kresoxim methyl	30	100	ND
Azoxystrobin	30	100	ND	Malathion	30	100	ND
Bifenazate	30	100	ND	Metalaxyl	30	100	ND
Bifenthrin	30	100	ND	Methiocarb	30	100	ND
Boscalid	30	100	ND	Methomyl	30	100	ND
Carbaryl	30	100	ND	Mevinphos	30	100	ND
Carbofuran	30	100	ND	Myclobutanil	30	100	ND
Chloranthraniliprole	30	100	ND	Naled	30	100	ND
Chlорfenapyr	30	100	ND	Oxamyl	30	100	ND
Chlorpyrifos	30	100	ND	Paclobutrazol	30	100	ND
Clofentezine	30	100	ND	Permethrin	30	100	ND
Coumaphos	30	100	ND	Phosmet	30	100	ND
Cypermethrin	30	100	ND	Piperonyl Butoxide	30	100	ND
Daminozide	30	100	ND	Prallethrin	30	100	ND
Diazinon	30	100	ND	Propiconazole	30	100	ND
Dichlorvos	30	100	ND	Propoxur	30	100	ND
Dimethoate	30	100	ND	Pyrethrins	30	100	ND
Dimethomorph	30	100	ND	Pyridaben	30	100	ND
Ethoprophos	30	100	ND	Spinetoram	30	100	ND
Etofenprox	30	100	ND	Spinosad	30	100	ND
Etoxazole	30	100	ND	Spiromesifen	30	100	ND
Fenhexamid	30	100	ND	Spirotetramat	30	100	ND
Fenoxycarb	30	100	ND	Spiroxamine	30	100	ND
Fenpyroximate	30	100	ND	Tebuconazole	30	100	ND
Fipronil	30	100	ND	Thiacloprid	30	100	ND
Flonicamid	30	100	ND	Thiamethoxam	30	100	ND
Fludioxonil	30	100	ND	Trifloxystrobin	30	100	ND

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 Generated By: Ryan Bellone  
 Commercial Director  
 Date: 05/27/2025



 Tested By: Anthony Mattingly  
 Scientist  
 Date: 05/23/2025


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## Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	1	5	ND
B2	1	5	ND
G1	1	5	ND
G2	1	5	ND
Ochratoxin A	1	5	ND

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 Generated By: Ryan Bellone  
 Commercial Director  
 Date: 05/27/2025

  
 Tested By: Anthony Mattingly  
 Scientist  
 Date: 05/23/2025


**KCA Laboratories**232 North Plaza Drive  
Nicholasville, KY 40356+1-833-KCA-LABS  
<https://kcalabs.com>  
KDA Lic.# P\_0058**Certificate of Analysis**

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Lic. #: 2025-N-2149360**Microbials by PCR and Plating**

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)
Total aerobic count	1		TNTC (>3,000,000)
Aspergillus flavus	1		Not Detected per 1 gram
Aspergillus fumigatus	1		Detected - Pending Confirmation
Aspergillus niger	1		Detected - Pending Confirmation
Aspergillus terreus	1		Not Detected per 1 gram
Bile-tolerant gram-negative bacteria	10	ND	
Total coliforms	10	50.0	
Generic E. coli	10	ND	
Salmonella spp.	1		Not Detected per 1 gram
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram
Total yeast and mold count (TYMC)	1		TNTC (>100,000)

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Generated By: Ryan Bellone  
Commercial Director  
Date: 05/27/2025  
Tested By: Kelly Jones  
Microbiologist  
Date: 05/27/2025

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**Residual Solvents by HS-GC-MS**

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

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 Generated By: Ryan Bellone  
 Commercial Director  
 Date: 05/27/2025



 Tested By: Scott Caudill  
 Laboratory Manager  
 Date: 05/23/2025
