Analytics Labs
28C Appleton Street Suite 3
Holyoke, MA 01040

(413) 534-LABS (5227)
https://www.myanalyticslabs.com
Lic# IL281280

Certificate of Analysis

M00003963277: TestSample.Butterstuff

METRC Sample: 1A40A030000B98D000184737; METRC Manifest: 0003403917; Metrc Source ID: 1A40A030000B98D000149598

Sample ID: 2609ANS2305-15924
Strain: Butterstuff
Plant, Flower - Cured, Finished Plant Material, Plant Material, , All uses

Produced: 08/10/2026
Completed: 09/18/2026
Expiration: 09/18/2027
Batch ID: AMES_2026_08_10(97)Butterstuff_A

Client
Mass Grow / Ascend
Lic. # MP281460
134 Chestnut Hill Ave
Athol, MA 01331

Sample Size: 12.18 g
COC #: 2609ANS2305; Number of Servings: ; Growth Material: N/A; Extraction Solvent: N/A; Remediated: Yes; Revision Notes: ; Amended: No; Sample Condition: Intact;



Summary

Test	Date Tested	Result
Cannabinoids	09/17/2026	Complete
Moisture		NR - Complete
Water Activity		NR - Complete
Terpenes	09/15/2026	Complete
Microbials	09/14/2026	Pass
Mycotoxins	09/15/2026	Pass
Pesticides	09/15/2026	Pass
Heavy Metals	09/15/2026	Pass
Product Approved		May be dispensed for all uses

Moisture analyzed per SOP-004

Instrument ID: WA-1
Water Activity analyzed per SOP-020. NT= Not Tested, NR = Not Reported.

Cannabinoids

Complete

24.470%	ND	25.265%
Total Active THC	Total Active CBD	Total Active Cannabinoids

Analyte	LOD %	LOQ %	Result %	Result mg/g	Qualifiers
THCa	0.00002	0.00010	27.087	270.869	
Δ9-THC	0.00002	0.00010	0.715	7.145	
Δ8-THC	0.00002	0.00010	ND	ND	
THCVa	0.00002	0.00010	ND	ND	
THCV	0.00001	0.00010	ND	ND	
CBDa	0.00001	0.00010	ND	ND	
CBD	0.00001	0.00010	ND	ND	
CBDVa	0.00001	0.00010	ND	ND	
CBDV	0.00001	0.00010	ND	ND	
CBNa	0.00004	0.00010	ND	ND	
CBN	0.00002	0.00010	ND	ND	
CBGa	0.00001	0.00010	0.627	6.274	
CBG	0.00002	0.00010	ND	ND	
CBCa	0.00004	0.00010	0.279	2.790	
CBC	0.00001	0.00010	ND	ND	
CBL	0.00003	0.00010	ND	ND	
CBT	0.00002	0.00010	ND	ND	
Total Available THC			**27.801**	**278.014**	
Total Active THC			**24.470**	**244.697**	
Total Available CBD			**ND**	**ND**	
Total Active CBD			**ND**	**ND**	
Total Available Cannabinoids			**28.708**	**287.078**	
Total Active Cannabinoids			**25.265**	**252.646**	

Entered by: 49; Instrument ID: 4; Date Tested: 09/17/2026;
Cannabinoids analyzed by SOP-009. LOD= Limit of Detection, LOQ = Limit of Quantitation, ND = Not Detected. Total Available THC = D9-THC + THCA. Total Active THC = D9-THC + (THCA0.877). Total Available CBD = CBD + CBDA. Total Active CBD = CBD +(CBDA0.877). Total Active Cannabinoids = THCA0.877+ d9 THC+ d8 THC+ THCVA0.877+ THCV+ CBDA 0.877 + CBD+ CBDV+ CBDVA 0.877+ CBNA0.877+ CBN + CBGA0.877+ CBG + CBCA*0.877+CBC+ CBL+ CBT. Total Available Cannabinoids = sum of all detected cannabinoids.

PJLA Testing
Accreditation #104289

Ryan Picard
Lab Director
09/18/2026

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Terpenes

Analyte	CAS #	LOD	LOQ	Result	Result	Qualifiers
		%	%	%	mg/g	
β-Caryophyllene		0.00002	0.0001	0.57	5.741	
β-Myrcene		0.00001	0.0001	0.36	3.615	
α-Humulene		0.00002	0.0001	0.30	3.044	
d-Limonene		0.00002	0.0001	0.27	2.708	
Linalool		0.00002	0.0001	0.12	1.187	
β-Farnesene		0.00003	0.0001	0.10	0.982	
(+)-Fenchol		0.00003	0.0001	0.06	0.583	
α-Bisabolol		0.00002	0.0001	0.05	0.512	
Nerolidol		0.00001	0.0001	0.05	0.489	
β-Pinene		0.00001	0.0001	0.03	0.336	
α-Terpineol		0.00003	0.0001	0.03	0.252	
α-Pinene		0.00001	0.0001	0.03	0.251	
Terpinolene		0.00001	0.0001	0.02	0.200	
Camphene		0.00001	0.0001	0.01	0.101	
Caryophyllene Oxide		0.00002	0.0001	0.01	0.096	
3-Carene		0.00001	0.0001	ND	ND	
α-Cedrene		0.00001	0.0001	ND	ND	
α-Terpinene		0.00001	0.0001	ND	ND	
β-Cedrene		0.00001	0.0001	ND	ND	
Camphor		0.00002	0.0001	ND	ND	
Cedrol		0.00002	0.0001	ND	ND	
cis-Farnesol		0.00002	0.0001	ND	ND	
cis-Ocimene		0.00001	0.0001	ND	ND	
Citronellol		0.00001	0.0001	ND	ND	
(S)-(+)-Carvone		0.00002	0.0001	ND	ND	
delta-Valerolactam		0.00002	0.0005	ND	ND	
Eucalyptol		0.00001	0.0001	ND	ND	
γ-Terpinene		0.00002	0.0001	ND	ND	
Total				**2.01**	**20.096**	

Primary Aromas

Cinnamon | Hops | Orange | Lavender | Magnolia

Entered by: 42
Instrument ID: GC-3 Front
Date Tested: 09/15/2026
LOD= Limit of Detection, LOQ = Limit of Quantitation. Terpenes analyzed by SOP-010. Nerolidol = Sum of Cis and Trans-Nerolidol.

Accreditation #104289

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09/18/2026

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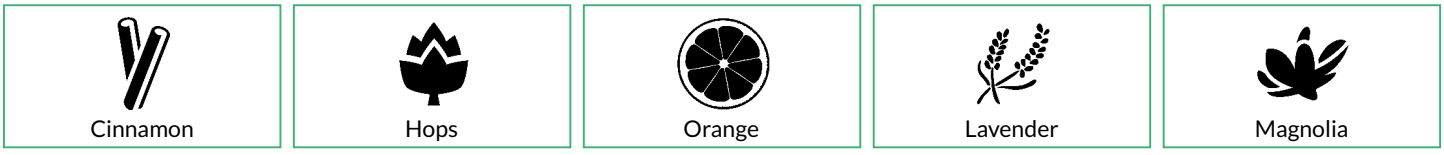
Terpenes

Analyte	CAS #	LOD	LOQ	Result	Result	Qualifiers
		%	%	%	mg/g	
Geraniol		0.00001	0.0001	ND	ND	
Geranyl Acetate		0.00002	0.0001	ND	ND	
Isobornyl Acetate		0.00002	0.0001	ND	ND	
(-)-Fenchone		0.00002	0.0001	ND	ND	
m-Cymene		0.00002	0.0001	ND	ND	
Menthol		0.00003	0.0001	ND	ND	
L-Menthone		0.00002	0.0001	ND	ND	
Nerol		0.00002	0.0001	ND	ND	
Nootkatone		0.00002	0.0001	ND	ND	
o-Cymene		0.00002	0.0001	ND	ND	
(-)-Isopulegol		0.00002	0.0001	ND	ND	
(+)-Borneol		0.00002	0.0001	ND	ND	
(-)-Guaiol		0.00002	0.0001	ND	ND	
Phytane		0.00002	0.0001	ND	ND	
Piperitone		0.00002	0.0001	ND	ND	
R-(-)-α-Phellandrene		0.00001	0.0001	ND	ND	
(+)-Pulegone		0.00002	0.0001	ND	ND	
p-Cymene		0.00001	0.0001	ND	ND	
Sabinene		0.00009	0.0001	ND	ND	
Sabinene Hydrate		0.00002	0.0001	ND	ND	
Safranal		0.00002	0.0001	ND	ND	
Terpinen-4-ol		0.00001	0.0001	ND	ND	
Thymol		0.00002	0.0001	ND	ND	
trans-Citral		0.00002	0.0001	ND	ND	
trans-Farnesol		0.00002	0.0001	ND	ND	
trans-Ocimene		0.00001	0.0001	ND	ND	
Valencene		0.00002	0.0001	ND	ND	
Total				**2.01**	**20.096**	

Primary Aromas



Entered by: 42
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Pesticides

Pass

Analyte	LOD	LOQ	Limit	Result	Qualifiers	Status
	PPB	PPB	PPB	PPB		
Bifenazate	2.9410	5.2517	10.0000	ND		Pass
Bifenthrin	0.7570	4.7313	10.0000	ND		Pass
Cyfluthrin	0.9463	4.7313	10.0000	ND		Pass
Etoxazole	3.4241	5.2517	10.0000	ND		Pass
Imazalil	3.6342	5.2517	10.0000	ND		Pass
Imidacloprid	1.7646	5.2517	10.0000	ND		Pass
Myclobutanil	3.0460	5.2517	10.0000	ND		Pass
Spiromesifen	3.3611	5.2517	10.0000	ND		Pass
Trifloxystrobin	2.7939	5.2517	10.0000	ND		Pass

Entered by: 10
Instrument ID 1: LCMS-3
Instrument ID 2: GCMS-4
Date Tested (LC): 09/15/2026
Date Tested (GC): 09/16/2026
LOD= Limit of Detection, LOQ = Limit of Quantitation. Pesticides analyzed by SOP-008

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Microbials

Pass

Analyte	Limit	Results	Qualifiers	Status
	CFU/g	CFU/g		
(ECPT) E. coli (O157)	Not Detected in 1g	Not Detected		Pass
(SPT) Salmonella	Not Detected in 1g	Not Detected		Pass
(AC) Total Viable Aerobic Bacteria	100000	<100		Pass
(YM) Total Yeast & Mold	10000	2450		Pass
(EB) Total Bile-Tolerant Gram Negative Bacteria	1000	<100		Pass
(CC) Total Coliforms	1000	<100		Pass

Entered by: 80/53
Instrument ID: PCR-1
Date Tested: 09/14/2026
Plating of Total Aerobic bacteria, Bile-Tolerant Gram-negative bacteria, total Coliforms, and total yeast & mold are analyzed by SOP-006. Shiga Toxin-Producing Escherichia coli and Salmonella spp. are analyzed by SOP-019. Viruses analyzed by SOP-016, are non-compliant, and NOT ISO accredited. NR = Not Reported, NT = Not Tested, TNTC = Too Numerous To Count.

Mycotoxins

Pass

Analyte	LOD	LOQ	Limit	Results	Qualifiers	Status
	ug/kg	ug/kg	ug/kg	ug/kg		
Total Aflatoxins	0.1	0.2	20.0	ND		Pass
Ochratoxin A	0.1	0.5	20.0	ND		Pass

Entered by: 10
Instrument ID: LCMS-3
Date Tested: 09/14/2026
LOD= Limit of Detection, LOQ = Limit of Quantitation. Mycotoxins analyzed by SOP-008.

Heavy Metals

Pass

Analyte	LOD	LOQ	Limit	Results	Qualifiers	Status
	ug/kg	ug/kg	ug/kg	ug/kg		
Arsenic	0.177	0.500	200.000	ND		Pass
Cadmium	0.139	0.500	200.000	ND		Pass
Lead	0.046	0.500	500.000	ND		Pass
Mercury	0.031	0.200	100.000	ND		Pass

Entered by: 55
Instrument ID: ICPMS-2
Date Tested: 09/14/2026
LOD = Limit of Detection. LOQ = Limit of Quantitation. Heavy Metals analyzed by SOP-005

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