



Certificate of Analysis

Date: **July 27, 2022**

Product Strain:

Mint Smash
Dried Flower

Lot #: **22040**

Final Report(s): High North – 1649708787 – full panel

Test Description	Method Reference	Specification Limit	Result
Total Aerobic Bacteria Count	PCR & qPCR MIC-MTD-001 EP 2.6.12	≤500,000 cfu/g	ND*
Total Yeast and Mold Count		≤50,000 cfu/g	ND*
Bile-Tolerant Gram-Negative Bacteria		<10,000 cfu/g	ND*
E. coli	PCR & qPCR MIC-MTD-001 EP 2.6.13	0/1g (absent)	Absent
Salmonella		0/25g (absent)	Absent
Aflatoxin B1	LC/MS/MS LAB-MTD-010 EP 2.8.18	2.0 ppb	ND*
Total Aflatoxins (sum of B1, B2, G1, G2)		4.0 ppb	0 ppb
Arsenic	ICP/MS LAB-MTD-027 USP232	< 0.2 ppm	ND*
Cadmium		< 0.3 ppm	< 0.05 ppm
Lead		< 0.5 ppm	ND*
Mercury		< 0.1 ppm	ND*
Pesticides	LC/MS/MS and GC/MS/MS LAB-MTD-010 EP 2.8.13	< HC Reporting Limits	All ND*
Loss on Drying (Moisture)	LAB-MTD-017 USP 731	No tolerance limit	10.35%
Foreign Matter	LAB-MTD-022 EP 2.8.2	NMT 2% (m/m)	ND*

Elizabeth Jones
Quality Assurance Person

ND* = Not Detected

Test Description	Method Reference	Specification Limit	Result
THC Content (Δ -9 tetrahydrocannabinol)	HPLC & UHPLC LAB-MTD-020 Identification and Analysis of Cannabis and Cannabis Products – United Nations Office on Drugs and Crime	No tolerance limit (% w/w)	5.2 mg/g
THCA Content (Δ -9 tetrahydrocannabinol acid)			272.8 mg/g
CBD (Cannabidiol)			< 0.3 mg/g
CBDA (Cannabidiol Acid)			0.8 mg/g
Total THC (THCA*0.877 + THC)			244.4 mg/g
Total CBD (CBDA*0.877 + CBD)			0.7 mg/g
Terpenes	Profile of 42 terpenes by GC/MS LAB-MTD-035	No tolerance limit	Total Terpenes: 3.0%
			Farnesene: 0.7%
			Trans-Caryophyllene: 0.7%
			Limonene: 0.6%
			Other: 1.0%

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Date: **May 27, 2022**

 Product Strain: **Mint Smash**

 Lot #: **22041**

 Final Report(s): HN1650556338 – full panel source
 HN1652295937 – packaged microbials

Test Description	Method Reference	Specification Limit	Result
Total Aerobic Bacteria Count	PCR & qPCR MIC-MTD-001 EP 2.6.12	≤500,000 cfu/g or cfu/mL	ND*
Total Yeast and Mould Count		≤50,000 cfu/g or cfu/mL	ND*
Bile – Tolerant Gram Negative Bacteria		<10,000 cfu/g (MPN/g)	ND*
E. coli		0/1g or mL (absent)	Absent
Salmonella		0/25g or mL (absent)	Absent
Aflatoxin B1		LC/MS/MS LAB-MTD-010 EP 2.8.18	0.002 ppm
Total Aflatoxins (sum of B1, B2, G1, G2)	0.004 ppm		0 ppb
Ochratoxin-A	0.020 ppm		ND*
Arsenic	ICP/MS LAB-MTD-027 USP233		< 0.2 ppm
Cadmium		< 0.3 ppm	< 0.05 ppm
Lead		< 0.5 ppm	< 0.5 ppm
Mercury		< 0.1 ppm	ND*
Pesticides	LC/MS/MS and GC/MS/MS LAB-MTD-041 EP 2.8.13	< Reporting Limits	All ND*
Loss on Drying	USP 731	No tolerance limit	9.86%
Foreign Matter	PAT-SOP101 EP 2.8.2	NMT 2% (m/m)	ND*

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 Date

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Test Description	Method Reference	Specification Limit	Result
THC Content (Δ -9 tetrahydrocannabinol)	HPLC & UHPLC LAB-MTD-020 Identification and Analysis of Cannabis and Cannabis Products – United Nations Office on Drugs and Crime	No tolerance limit (% w/w)	3.5 mg/g
THCA Content (Δ -9 tetrahydrocannabinol acid)			237.5 mg/g
CBD (Cannabidiol)			< 0.3 mg/g
CBDA (Cannabidiol Acid)			0.8 mg/g
Total THC (THCA*0.877 + THC)			211.8 mg/g
Total CBD (CBDA*0.877 + CBD)			0.7 mg/g
Terpenes	GC/MS LAB-MTD-035	No tolerance limit	Total Terpenes: 2.59%
			Farnesene: 0.62%
			Trans-Caryophyllene: 0.58%
			Limonene: 0.53%
			Other: 0.86%

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Date

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Date: **Sept 15, 2022**

Product Strain:

Mint Smash
 Whole Flower

 Lot #: **22096**

 Final Report(s): High North – 1660853470 – potency
 High North -1661295573 – full panel

Test Description	Method Reference	Specification Limit	Result
Total Aerobic Bacteria Count	PCR & qPCR MIC-MTD-001 EP 2.6.12	≤500,000 cfu/g	ND*
Total Yeast and Mold Count		≤50,000 cfu/g or cfu/mL	ND*
Bile-Tolerant Gram-Negative Bacteria		<10,000 cfu/g	ND*
E. coli	PCR & qPCR MIC-MTD-001 EP 2.6.13	0/1g (absent)	PASS
Salmonella		0/25g (absent)	PASS
Aflatoxin B1	LC/MS/MS LAB-MTD-010 EP 2.8.18	2.0 ppb	ND*
Total Aflatoxins (sum of B1, B2, G1, G2)		4.0 ppb	0 ppb
Ochratoxin-A		20 ppb	ND*
Arsenic	ICP/MS LAB-MTD-027 USP232 USP233	< 0.2 ppm	ND*
Cadmium		< 0.3 ppm	< 0.05 ppm
Lead		< 0.5 ppm	ND*
Mercury		< 0.1 ppm	ND*
Pesticides	LC/MS/MS and GC/MS/MS LAB-MTD-010 EP 2.8.13	< HC Reporting Limits	All ND*
Loss on Drying	LAB-MTD-017 USP 731	No tolerance limit	11.11%
Foreign Matter	LAB-MTD-022 EP 2.8.2	NMT 2% (m/m)	ND*

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Test Description	Method Reference	Specification Limit	Result
THC Content (Δ -9 tetrahydrocannabinol)	Analysis of 11 Cannabinoids by HPLC & UHPLC LAB-MTD-020	No tolerance limit (% w/w)	6.4 mg/g
THCA Content (Δ -9 tetrahydrocannabinol acid)			284.2 mg/g
CBD (Cannabidiol)			<0.3 mg/g
CBDA (Cannabidiol Acid)			1.0 mg/g
Total THC (THCA*0.877 + THC)			255.6 mg/g
Total CBD (CBDA*0.877 + CBD)			0.9 mg/g
Terpenes	Profile of 42 terpenes by GC/MS LAB-MTD-035	No tolerance limit	Total Terpenes: 1.8%
			Farnesene: 0.5%
			Trans-Caryophyllene: 0.3%
			Limonene: 0.3%
			Other: 0.7%

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