Certificate ID: 120398

Received: 12/11/23

Client Sample ID: Cosmic Kush

Lot Number: 003

Matrix: Flowers/Bud-Dry Flower



CANNAFLOWER

40 University Way, Unit 40 Brattleboro , VT 05301

Authorization:

Signature:

Chris Hudalla, Chief Science Officer

Christophen Hudalla

Date:

12/20/2023







80585

collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

The data contained within this report was

CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]

Analyst: SD

Test Date: 12/13/2023

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

120398-CN

120370-CIV			
ID	Weight %	Concentration (mg/g)	
Δ9-ΤΗС	0.0722	0.722	
THCV	ND	ND	
CBD	0.621	6.21	
CBDV	ND	ND	
CBG	0.0807	0.807	
CBC	0.0803	0.803	
CBN	ND	ND	
THCA	0.594	5.94	
CBDA	18.3	183	
CBGA	0.407	4.07	
CBDVA	0.0461	0.461	
Δ8-ΤΗС	ND	ND	
exo-THC	ND	ND	
Total	20.2	202	0% Cannabinoids (wt%) 18.3%
Total THC	0.593	5.93	Limit of Quantitation (LOQ) = 0.00659 wt%
Total CBD	16.7	167	Limit of Detection (LOD) = $0.00220 \text{ wt}\%$

Ratio of Total CBD to THC 28.1:1

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: MAX THC = (0.877 x THCA) + THC. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND=None detected above the limits of detection (LOD), which is one third of Limit of Quantification (LOQ). For values reported as "<LOQ", the estimated value is included in the calculated Total.

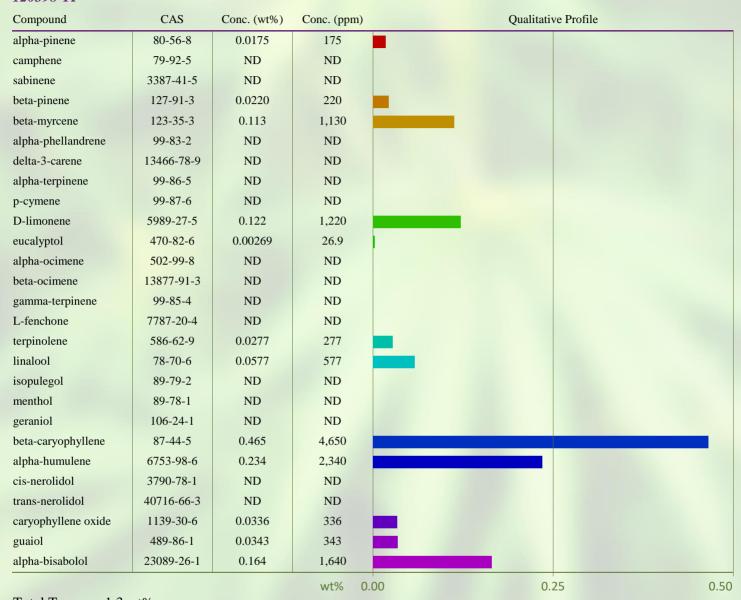
Test Date: 12/12/2023

TP: Terpenes Profile [WI-10-37]

Analyst: ZDV

The sample was analyzed for terpenes (WI-10-37) utilizing solvent extraction followed by Gas Chromatography (GC) utilizing flame ionization detection (FID). Chromatographic data were processed by quantitatively comparing the analytical peak areas against calibration curves prepared from certified reference standards.

120398-TP



Total Terpene: 1.3 wt%

END OF REPORT

^{*} Certified reference standard not available for this compound. Concentration is estimated using the response factor from alpha-pinene. ND = None Detected. RL = Reporting Limit of 5 ppm.