Testing lab logo

Kennebec ANALYTICAL SERVICES

Certificate of Analysis

Official Nebraska Department of Agriculture Pre-Harvest

1 of 1

Certifies Nebraska Department of Agriculture Preharvest Sample

Grower information

Nebraska Department of Agriculture
301 Centennial Mall S.
Lincoln, NE 68509
agr.hemp@nebraska.gov
(402) 471-XXXX
Lic. #

Sample ID and description

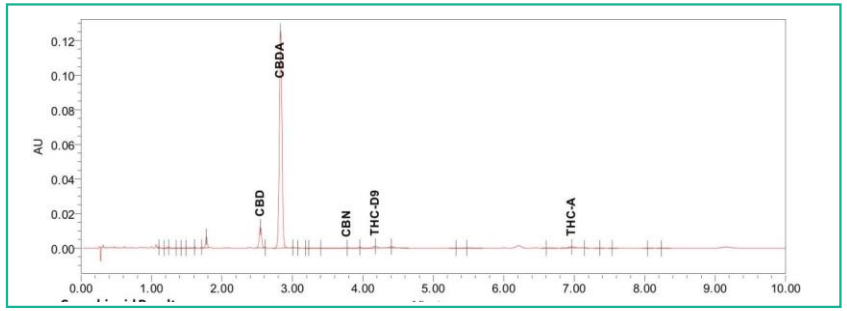
Sample: 2102KAS0251.0001
Strain: Test 1
Batch#: 234567; Batch Size: 234 g
Sample Received: 02/03/2021; Report Created: 03/26/2021
Sampling: ; Environment:

Sample lot ID
Sample type

Hemp 1
Plant, Hemp
Harvest Process Lot: ; METRC Batch: ; METRC Sample:

QR code links to online COA report information

Chromatogram showing major peaks from UHPLC used to identify and quantify cannabinoids



Cannabinoids

Uncertainty: %

0.192%	6.289%	7.250%	Complete
Pass			
Total THC	Total CBD	Total Cannabinoids	

Analyte	LOD %	LOQ %	Mass %	Mass mg/g	Uncertainty
CBD	0.000	0.001	0.924	9.24	0.094
CBDa	0.000	0.000	6.117	61.17	0.575
CBG			NR	NR	
CBGa			NR	NR	
CBN	0.000	0.000	0.006	0.06	
Δ9-THC	0.000	0.001	0.109	1.09	0.01
Δ8-THC			NR	NR	

Analyte	LOD %	LOQ %	Mass %	Mass mg/g	Uncertainty
THCa	0.000	0.001	0.095	0.95	0.009
CBDV			NR	NR	
CBC			NR	NR	
CBCa			NR	NR	
THCV			NR	NR	
CBL			NR	NR	
Total			**7.250**	**72.50**	

Sample harvest date 00/0/00, sample dry weight- XX g, analysis was done on dried plants with 6-12% of moisture as specified by USDA.
Total THC = (THCa X 0.877) + Δ9-THC
Total CBD = (CBDa X 0.877) + CBD
Instrument: Waters ACQUITY UPLC™ H-Class PLUS System with UV detection.
Water Activity Instrument: Rotronic HC2-Aw USB Set.
Moisture Instrument: Mettler Toledo HE53 Halogen Moisture Analyzer

Critical Results for NDA:

Total THC = (THCA X 0.877) + THC-Δ9 (pass < 0.3%, fail >0.3%)
Note: 0.877 is a correction for loss of CO_2 upon decarboxylation of the acid form to the neutral form (e.g. THCA converts to THC)

Results for individual cannabinoids:

- LOD-limit of detection for individual cannabinoid
- LOQ- limit of quantification (measurement) for individual cannabinoid
- Mass - the amount measured expressed as % or mg/g
- Uncertainty - a measure of the technical variation due to preparation and analysis of the sample
- NR, not reported

Sample specific information for each analysis:
Date of harvesting, amount of material used for analysis, & equipment used for analysis

Testing lab Contact Information/Location

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Lic#

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Lab Director

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Lab director signature

ISO 17025 Accreditation agency

ND=Not Detected, NR=Not Reported, LOD=Limit of Detection, LOQ=Limit of Quantitation. This product has been tested by Kennebec Analytical Services, using valid testing methologies and a quality system as required by state law. Values reported relate only to the product tested and batched under the batch number identified above. Kennebec Analytical Services makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected level of any compounds reported herein. This Certificate must not be altered, and shall not be reproduced except in full, without the written approval of Kennebec Analytical Services.

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