

Comprehensive Analysis Report

Sample Overview

Client: Purity Hemp Naturals

None

Sample Name: Muscle & Joint Relief Cream

Date Received: 10/07/2025

Sample Matrix: Topical Applicant

APRC #: SAW251007B

Sample Lot: 10705

Assay	Disposition	Date Tested
Hemp or R&D Cannabinoid Testing (Potency)	Tested	10/09/2025



Accreditation #115229

Aromatic Plant Research Center is an ISO 17025:2017 certified laboratory.

Instrument Analysis Report

Potency

Method: SOP 1-2026.03

Sample Name: Muscle & Joint Relief Cream

APRC Lot Number: SAW251007B

Cannabinoid	RT	Total %	Total mg/g
Cannabidivarinic Acid (CBDVA)	ND	ND	ND
Cannabidivarin (CBDV)	ND	ND	ND
Cannabidiolic Acid (CBDA)	ND	ND	ND
Cannabigerolic Acid (CBGA)	ND	ND	ND
Cannabinol (CBN)	5.16	0.02	0.17
Cannabidiol (CBD)	3.46	1.86	18.60
Cannabigerol (CBG)	3.27	0.15	1.54
Tetrahydrocannabivarin (THCV)	3.77	0.01	0.07
Tetrahydrocannabivarin Acid (THCVA)	ND	ND	ND
Delta-9-Tetrahydrocannabinol (Δ 9-THC)	6.52	0.21	2.13
Delta-8-Tetrahydrocannabinol (Δ 8-THC)	6.74	0.01	0.13
Tetrahydrocannabinolic acid (THCA-A)	ND	ND	ND
Cannabichromene (CBC)	8.20	0.10	1.00
Cannabichromene Acid (CBCA)	ND	ND	ND
Δ 10 and Δ 6a,10a-Tetrahydrocannabinol, mixed isomers	ND	ND	ND
(6aR,9R)- Δ 10-Tetrahydrocannabinidiol	NT	NT	NT
(6aR,9S)- Δ 10-Tetrahydrocannabinidiol	NT	NT	NT
9(R+S)- Δ 6a,10a-Tetrahydrocannabinidiol	NT	NT	NT
Cannabicitran (CBTC)	ND	ND	ND

Performed by: Sunita Timsina

Reviewed by: Tessa Crook

	%	mg/g
Total Cannabinoids	2.36	23.64
Total THC [†]	0.21	2.13
Total CBD [‡]	1.86	18.60

[†]Total Thc is calculated by Δ 9-THC +(THCA-A*0.877)

[‡]Total CBD is calculated by CBD + (CBDA*0.877)

LOD > 0.005% by mass, LOQ > 0.01% by mass



Approved By:
 Nicholas Saichek, PhD
 Senior Scientist Mass Spectrometry
 10/09/2025