

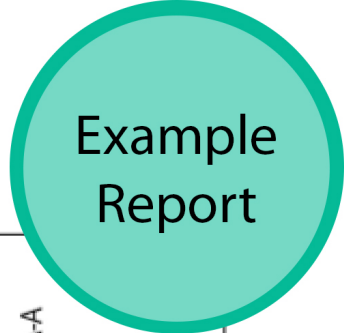
# CERTIFICATE OF ANALYSIS



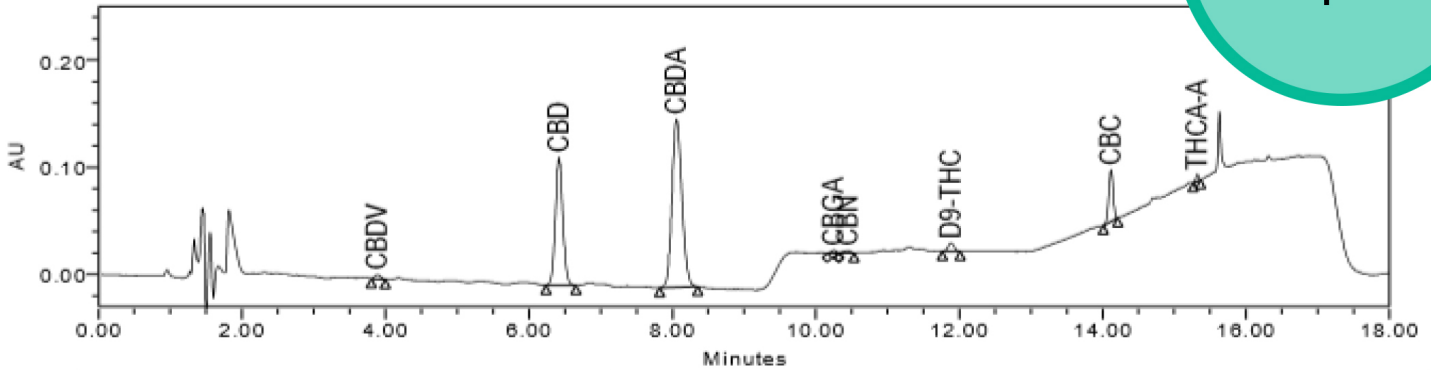
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**Report Issued To:** Dietary Supplement Company  
1234 Main Street  
Los Angeles, CA 90000  
USA

**Sample Name:** Softgel  
**Description:** Softgel  
**Lot #:** ABCDEFG  
**AL #:** 12345  
**Analysis ID:** 891011  
**Received:** 07/01/20



Determination of Cannabinoids Content by HPLC



Ret. Time (min)	Compound Name	Prep 1 (%)	Prep 2 (%)	Average (%) As-Is	Average (%) Dry Basis	Specification	Result
3.8	Cannabidivarin (CBDV)	BLOQ	BLOQ	BLOQ	BLOQ	N/A	N/A
4.8	Cannabidivarinic Acid (CBDVA)	ND	ND	ND	ND	N/A	N/A
6.4	Cannabidiol (CBD)	1.745	1.732	1.739	1.753	N/A	N/A
6.9	Cannabigerol (CBG)	ND	ND	ND	ND	N/A	N/A
7.3	Tetrahydrocannabidivarin (THCV)	ND	ND	ND	ND	N/A	N/A
8.1	Cannabidiolic Acid (CBDA)	1.610	1.598	1.604	1.618	N/A	N/A
10.3	Cannabigerolic Acid (CBGA)	BLOQ	BLOQ	BLOQ	BLOQ	N/A	N/A
10.6	Cannabinol (CBN)	BLOQ	BLOQ	BLOQ	BLOQ	N/A	N/A
11.9	$\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC)	0.097	0.088	0.092	0.093	N/A	N/A
12.5	$\Delta^8$ -Tetrahydrocannabinol ( $\Delta^8$ -THC)	ND	ND	ND	ND	N/A	N/A
14.1	Cannabichromene (CBC)	0.177	0.175	0.176	0.178	N/A	N/A
15.3	$\Delta^9$ -Tetrahydrocannabinolic Acid A (THCA-A)	0.019	0.019	0.019	0.019	N/A	N/A
	Total THC (THCA-A * 0.877 + THC)	0.114	0.105	0.110	0.110	≤ 0.3%	Pass
	Total Phytocannabinoids	3.649	3.612	3.630	3.661	N/A	N/A

**Chromatographic Conditions:**

Method: ATM-815-0229  
 Column: AP 213 Xbridge BEH C18 2.5 $\mu$ m (3.0 x 100 mm)  
 Temperature: 30°C  
 Flow Rate: 0.4 mL/min  
 Injection Volume: 1  $\mu$ L  
 UV Detection: 210 nm  
 Mobile Phase: 0.1% Formic Acid in 10% Acetonitrile  
 0.1% Formic Acid in 90% Acetonitrile  
 HPLC Instrument: Alliance 1

**Sample Preparation:**

Mixed sample well and transferred approximately 125 mg into 25 mL volumetric flask. Filled to volume with Methanol. Sonicated 15 minutes at room temperature. Filtered through 0.2  $\mu$ m PTFE syringe into HPLC vial for analysis.

**Report Summary:**

Conclusion: This "Soft Gel" test sample contains an average of 0.1% total THC on the dried basis.  
 OOS Reference: N/A  
 Note: ND = Not Detected; BLOQ = Below Limit of Quantification;  $\Delta$ 9-THC LOQ = 0.074 g/100g  
 Notebook Reference: LC110 p. 97

Analysis Date : 07/03/20

Analyzed By: T. French

Authorized By: Kirtal Patel, Analytical Chemistry Supervisor



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