

Testing Accreditation #: 77802

Test Certificate #: 134318-001

<p>Client Name, Sample Details Gourmet Nuts & Delicacies Howell, MI 48843 Sample: Cashews Type: Edible Method: FE04U12 HPLC-UV</p>	<p>Test Conditions Prepsheet ID#: MIP211201A Scale: XS205-MI2 Temp: 21.6 °C Baro Pressure: 981.8 hPa Analyst: SKM Technician: VU</p>	<p>Sample ID#: 134318 Harvest/Process Date: 12/02/2021 Serving Size (g): 83.32 Date Received: 12/02/2021 Test Date: 12/01/2021 Valid Through: 12/02/2022 Report Issued: 12/02/2021</p>	
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Test Compounds	Δ9-THC	THCA	Δ8-THC	CBD	CBDA	CBG	CBGA	CBN	CBC	CBL	THCV	CBDV	Total Cannabinoids*	Total THC	Total CBD	Calc Max Total Cannabinoids*
Amount (%)	N/D	N/D	N/D	0.2	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	0.2	N/D	0.2	0.2
Amount (mg/g)	N/D	N/D	N/D	1.5	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	1.5	N/D	1.5	1.5
Amount per Serving (mg)	N/D	N/D	N/D	124.98	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	125.0	Serving Size~ (g):		83.3
LOQ (mg/g)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04		%Decarb.	THC	CBD
±%RPD	1.04%	1.11%	4.09%	3.23%	0.70%	1.41%	0.30%	0.60%	3.13%	7.42%	1.09%	0.73%			N/A	100%

Serving size = contents of package = 83.32g.

LOQ = Limit of Quantitation; %RPD = Relative Percent Deviation; %RSD = Relative Standard Deviation; N/D = Not Detected

*Designates values that are not currently included in the accredited scope of Iron Laboratories.

*** Designates tests that use the method FE-45. FE-45 is performed using AOAC 966.02 and 32.004-32.009.

FE-45 has relative expanded (k=2) uncertainties of 1.098% for moisture, 1.754% for water activity for unprocessed plant materials, and 13.102% for water activity for infused products.

Vitamin E acetate analysis has a relative expanded (k=2) uncertainty of 18.614%.

Total THC + Total CBD = 1.5 mg/g. Δ9-THC = 0.2 mg/g. THCA = 1.3 mg/g. CBDA = 0.2 mg/g.

Total THC and CBD is the calculated sum of $\Delta 9$ -THC and $\Delta 8$ -THC or CBD plus the amount of THC or CBD derived from THCA or CBDA, respectively. These values are calculated by applying a molar correction factor of 0.877 to the THCA or the CBDA value. Calc Max Total Cannabinoids is the sum of Total THC, Total CBD, CBN, Total CBG, CBC, THCV, CBDV, and CBL. Total CBG is calculated as CBG plus CBGA*0.878 (the molar correction factor for CBGA to CBG conversion). %Decarb. THC and CBD refer to the percentage of $\Delta 9$ -THC or CBD relative to THCA or CBDA, respectively.

This sample has not undergone random sampling and has not been tested for compliant state, batch representative testing. These results should therefore be used for research and development or quality control purposes only. Results apply to the sample as received.

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Katrina Barnes, Lab Manager




Mackenzie E. Hyman, Quality Manager

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Tested by Iron Laboratories Michigan, 1825 E. West Maple Walled Lake, MI 48390

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Test Certificate #: 134318-001

Client Name, Sample Details
Gourmet Nuts & Delicacies
 Howell, MI 48843
Sample: Cashews
Type: Edible
Method: FE04U12 HPLC-UV

Test Conditions
Prepsheet ID#: MIP211201A
Scale: XS205-MI2
Temp: 21.6 °C
Baro Pressure: 981.8 hPa
Analyst: SKM
Technician: VU

Sample ID#: 134318
Harvest/Process Date: 12/02/2021
Serving Size (g): 83.32
Date Received: 12/02/2021
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Target Compound Name	Method Blank (µg/g)	LCS Spike (µg/g)	LCS Amount (µg/g)	Percent Recovery (%) LCS	LCS Duplicate Amount (µg/g)	Percent Recovery (%) LCSD	Relative Percent Difference (%)	QC Flag
Δ9-THC	0	5.056466859	5.443303794	107.65	5.386772384	106.53	1.04%	
THCA	0	5.666751776	6.013	106.11	6.080308136	107.30	1.11%	
Δ8-THC	0	4.89715209	5.226147422	106.72	5.016836209	102.44	4.09%	
CBD	0	5.089893014	5.413833598	106.36	5.241820942	102.98	3.23%	
CBDA	0	5.438546465	5.580507578	102.61	5.619885625	103.33	0.70%	
CBG	0	5.101535338	5.293596682	103.76	5.219620624	102.31	1.41%	
CBGA	0	5.369871096	5.557455074	103.49	5.540681438	103.18	0.30%	
CBN	0	5.311890399	5.192497253	97.75	5.161261141	97.16	0.60%	
CBC	0	4.881185169	5.010635604	102.65	5.169783503	105.91	3.13%	
CBCA	N/A	N/A	N/A	nan	N/A	nan	0%	
CBL	0	5.237133309	5.172638833	98.77	5.570980267	106.37	7.42%	
THCV	0	5.145335868	5.132306844	99.75	5.188789938	100.84	1.09%	
CBDV	0	4.92960957	5.127339524	104.01	5.164912138	104.77	0.73%	

N.D. = Not Detected

LR = indicates compound recovery of matrix spike was outside the methods acceptable limits. (70-130%) Low recovery should be scrutinized for possible fail as it could indicate more compound present than is detected.

I = indicates that an amount of an interfering compound greater than the methods limit of detection was detected in the method blank sample. May indicate contamination of analytical system or consumables.

Q = indicates that the relative percent difference of two identically prepared Matrix Spike samples for a target analyte was greater than 20%

HR = indicates compound recovery of matrix spike was outside the methods acceptable limits. (70-130%) high recoveries should be scrutinized for passing as more compound may be detected than is actually present in the sample.

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