

Testing Accreditation #: 77802

Test Certificate #: 129470-001

Client Name, Sample Details
Old World Style Almonds
Beverly Hills, MI 48025
Sample: Pecans 1.5
Type: Edible
Method: FE04U HPLC-UV

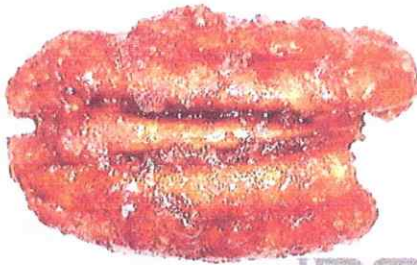
Test Conditions
Prepsheet ID#: MIM210303
Scale: XS205-MI2
Temp: 20 °C
Baro Pressure: 975 hPa
Analyst: MEH
Technician: ANJ

Sample ID#: 129470
Harvest/Process Date: 03/02/2021
Serving Size (g): 3.76
Date Received: 03/02/2021
Test Date: 03/03/2021
Valid Through: 03/04/2022
Report Issued: 03/04/2021



03/04/2022 09:43:40

03/04/2022 09:43:40



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Test Compounds	THC	THCA	CBD	CBDA	CBN	CBG*	CBC*	THCV*	CBDV*	Total Cannabinoids*	Total THC	Total CBD	Calc Max Total Cannabinoids*
Amount (%)	N/D	N/D	0.2	N/D	N/D	N/D	N/D	N/D	N/D	0.2	0.0	0.2	0.2
Amount (mg/g)	N/D	N/D	1.5	N/D	N/D	N/D	N/D	N/D	N/D	1.5	0.0	1.5	1.5
Amount per Serving (mg)	N/D	N/D	5.6	N/D	N/D	N/D	N/D	N/D	N/D	5.6	Serving Size~ (g):		3.8
LOQ (mg/g)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		%Decarb.	THC	CBD
±%RPD	6.99	5.11	7.44	0.17	12.06	5.02	0.36	17.10	1.54		N/A		100%

Total weight of pecans in pkg = 27.61678g. Serving size = 1 whole nut ~ 3.76 g.

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 and CBD is the calculated sum of THC or CBD and 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, CBG, CBC, THCV, and CBDV.

%Decarb. THC and CBD refer to the percentage of 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
Katrina Barnes, Lab Manager



Mackenzie E. Hyman
Mackenzie E. Hyman, Quality Manager

Iron Laboratories, LLC is an ISO/IEC 17025:2017 Testing Laboratory laboratory accredited by (PJA) Perry Johnson Laboratory Accreditation, Certificate No. 77802

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

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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
Cannabidiol (CBD)	0	5.407290613	5.769454722	106.70	5.681089912	105.06	1.54	
Cannabidiolic Acid (CBDA)	0	5.530527619	5.860676212	105.97	5.850784846	105.79	0.17	
Cannabigerol (CBG)	0	6.085556659	6.108379531	100.38	6.422793056	105.54	5.02	
Cannabidiol (CBD)	0	6.039005275	5.857619629	97.00	6.31010904	104.49	7.44	
Δ9-Tetrahydrocannabinol (THCV)	0	7.093549135	6.229058993	87.81	7.393751417	104.23	17.10	LR
Cannabinol (CBN)	0	6.487270194	6.099767921	94.03	6.882750332	106.10	12.06	
Δ9-Tetrahydrocannabinol (THC)	0	5.450472798	5.987970211	109.86	5.58365954	102.44	6.99	
Cannabichromene (CBC)	0	5.28168389	5.763570528	109.12	5.742723848	108.73	0.36	
Tetrahydrocannabinolic acid (THCA)	0	5.267096902	5.758556401	109.33	5.471737453	103.89	5.11	

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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Katrina Barnes
 Katrina Barnes, Lab Manager



Mac Hyman
 Mackenzie E. Hyman, Quality Manager

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