



Certificate of Analysis

Batch ID: H222305

Job ID: CA01250-0004335

Sample ID: H1530

Date Received: 08-22-2023

Date Reported: 08-27-2023

Sample Description: Hemp Oil (Grape Flavor) (P0558)

Sample Type: Hemp oil Lot Number: H222305

Method	Reference	Test	Result	Unit
ASTM-679	-	FLAVOR QUANTITAVE	0.5	
D8399	-	Cannabidiol	1.25	
ASTM-P-0151-01	-	Cannabinol	nd	
CP-9-THC-01S	-	Delta 9-THC	nd	
CP-THCA-A-01S	-	THC-A	nd	
FFA-01	AOCS Ca 5a-40modified	Free Fatty Acids (FFA)	0.37	
PV-01	AOCS Cd 8b-90 modified	Peroxide Value (PV)	2.68	
TFAT-01	AOCS Ce 1h-05 modified	Omega 6 ¹	57.9	
TFAT-01	AOCS Ce 1h-05 modified	Omega 3 ¹	17.1	
TFAT-01	AOCS Ce 1h-05 modified	Polyunsaturates ¹	75	
TFAT-01	AOCS Ce 1h-05 modified	Omega 9 ¹	13.9	
TFAT-01	AOCS Ce 1h-05 modified	Monounsaturates ¹	14.8	
TFAT-01	AOCS Ce 1h-05 modified	Saturates ¹	9.91	
TFAT-01	AOCS Ce 1h-05 modified	Other FA ¹	0.28	
TFAT-01	AOCS Ce 1h-05 modified	C24:1n9 Nervonic ¹	0.12	
TFAT-01	AOCS Ce 1h-05 modified	C24:0 Lignoceric ¹	0.18	
TFAT-01	AOCS Ce 1h-05	C22:1n9 Erucic ¹	<0.03	%

TFAT-01	modified AOCS Ce 1h-05	C22:0 Behenic ¹	0.4	%
TFAT-01	modified AOCS Ce 1h-05	C20:2n6 Eicosadienoic ¹	0.07	%
TFAT-01	modified AOCS Ce 1h-05	C20:1n9 Eicosenoic 11 ¹	0.45	%
TFAT-01	modified AOCS Ce 1h-05	C20:0 Arachidic ¹	0.94	%
TFAT-01	modified AOCS Ce 1h-05	C18:4n6 Octadecatetraenoic ¹	1.58	%
TFAT-01	modified AOCS Ce 1h-05	C18:3n6 Alpha-Linolenic ¹	15.6	%
TFAT-01	modified AOCS Ce 1h-05	C18:3n6 Gamma-Linolenic ¹	5.15	%
TFAT-01	modified AOCS Ce 1h-05	C18:2n6 Linoleic ¹	52.6	%
TFAT-01	modified AOCS Ce 1h-05	C18:1n7 Vaccenate ¹	0.8	%
TFAT-01	modified AOCS Ce 1h-05	C18:1n9 Oleic ¹	13.3	%
TFAT-01	modified AOCS Ce 1h-05	C18:0 Stearic ¹	2.51	%
TFAT-01	modified AOCS Ce 1h-05	C17:1n7 Heptadecenoic ¹	0.03	%
TFAT-01	modified AOCS Ce 1h-05	C17:0 Heptadecanoic (Margaric) ¹	0.05	%
TFAT-01	modified AOCS Ce 1h-05	C16:1n7 Palmitoleic ¹	0.09	%
TFAT-01	modified AOCS Ce 1h-05	C16:0 Palmitic ¹	5.76	%
TFAT-01	modified AOCS Ce 1h-05	C14:0 Myristic ¹	0.05	%
TFAT-01	modified AOCS Ce 1h-05	C12:0 Lauric ¹	<0.03	%
TFAT-01	modified AOCS Ce 1h-05	C20:1n9 Eicosenoic 11 ¹	4.27	mg/g oil
TFAT-01	modified AOCS Ce 1h-05	C20:0 Arachidic ¹	9.06	mg/g oil
TFAT-01	modified AOCS Ce 1h-05	C18:4n6 Octadecatetraenoic ¹	15.08	mg/g oil
TFAT-01	modified AOCS Ce 1h-05	C18:3n6 Alpha-Linolenic ¹	149	mg/g oil
TFAT-01	modified AOCS Ce 1h-05	C18:3n6 Gamma-Linolenic ¹	49.2	mg/g oil
TFAT-01	modified AOCS Ce 1h-05	C18:2n6 Linoleic ¹	503	mg/g oil

TFAT-01	AOCS Ce 1h-05 modified	C18:1n7 Vaccenate ¹	7.64	mg/g oil
TFAT-01	AOCS Ce 1h-05 modified	C18:1n9 Oleic ¹	127	mg/g oil
TFAT-01	AOCS Ce 1h-05 modified	C18:0 Stearic ¹	24	mg/g oil
TFAT-01	AOCS Ce 1h-05 modified	C17:1n7 Heptadecenoic ¹	<0.3	mg/g oil
TFAT-01	AOCS Ce 1h-05 modified	C17:0 Heptadecanoic (Margaric) ¹	0.46	mg/g oi
TFAT-01	AOCS Ce 1h-05 modified	C16:1n7 Palmitoleic ¹	0.85	mg/g oil
TFAT-01	AOCS Ce 1h-05 modified	C16:0 Palmitic ¹	54.8	mg/g oil
TFAT-01	AOCS Ce 1h-05 modified	C14:0 Myristic ¹	0.44	mg/g oil
TFAT-01	AOCS Ce 1h-05 modified	C12:0 Lauric ¹	<0.3	mg/g oil
FFA-01	AOCS Ca 5a-40 modified	Acid Value (AV)	0.74	%
METMIN-01	AOAC 2015.01 modified	Arsenic	<0.03	ppm
METMIN-01	AOAC 2015.01 modified	Cadmium	<0.03	ppm
METMIN-01	AOAC 2015.01 modified	Lead	<0.1	ppm
METMIN-01	AOAC 2015.01 modified	Mercury	<0.05	ppm
TFAT-01	AOCS Ce 1h-05 modified	Omega 9 ¹	133	mg/g oil
TFAT-01	AOCS Ce 1h-05 modified	Omega 6 ¹	553	mg/g oil
TFAT-01	AOCS Ce 1h-05 modified	Omega 3 ¹	164	mg/g oil
TFAT-01	AOCS Ce 1h-05 modified	Polyunsaturates ¹	716	mg/g oil
TFAT-01	AOCS Ce 1h-05 modified	Monounsaturates	142	mg/g oil
TFAT-01	AOCS Ce 1h-05 modified	Saturates ¹	94.6	mg/g oil
TFAT-01	AOCS Ce 1h-05 modified	Total Fatty Acids ¹	955	mg/g oil
TFAT-01	AOCS Ce 1h-05 modified	Others ¹	2.69	mg/g oil
TFAT-01	AOCS Ce 1h-05 modified	C24:1n9 Nervonic ¹	1.19	mg/g oil
TFAT-01	AOCS Ce 1h-05	C24:0 Lignoceric ¹	1.79	mg/g oil

TFAT-01	modified AOCS Ce 1h-05	C22:1n9 Erucic ¹	<0.3	mg/g oil
TFAT-01	modified AOCS Ce 1h-05	C22:0 Behenic ¹	3.85	mg/g oil
TFAT-01	modified AOCS Ce 1h-05	C20:2n6 Eicosadienoic ¹	0.68	mg/g oil

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Microbial results may be estimated as per specific method requirements.



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