

ORIGINAL NOT NEGOTIABLE

Report Ref : 4012610981


NCML LABS

Test Report

ULR - TC-650726000002432F

Discipline : Chemical

Product Group : Food and Agricultural Products

Sub Group : Fats & Oils and Fat Emulsions

Issued To:

Graze and Grow

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Issue Date : 14-Feb-2026

Client Reference : By TRF

Sample Details:		
Sample ID	:	4012610981
Name of the Sample	:	Coconut Oil
Date of Receipt	:	23-Jan-2026
Job Ref. No.	:	TR/8846/25-26
Place of receipt / Lab	:	Gurgaon
Sample particulars	:	Coconut Oil , Sample Quantity : 300 GM
Sampling Details	:	Sample Not Drawn by us
Analysis Starting Date	:	23-Jan-2026
Analysis Completion Date	:	13-Feb-2026
Sample Condition	:	Fit for analysis

Test Results

S.No	Test Parameter	Unit of Measurement	Test Method	Specification	Test Result
Group : General Parameters					
1	Appearance	-	CommGrade/L3-GG N-FOO-131	Shall be clear	Complies
2	Suspended or other foreign matter, separated water	-	FSSAI Manual of Methods	Absent	Absent
3	Added colouring and flavouring substances	-	FSSAI Manual methods of Food Additive	Absent	Absent
4	Cis-13,16-Docosadienoic acid(C22:2)	g/100g	AOAC 996.06	ND	BLQ (LOQ-0.1)
5	Fat	%	FSSAI Manual of Methods	Not Specified	99.87
6	Mineral oil	%	FSSAI Manual of Methods	Absent	Absent
7	Protein	%	IS 7219: 1973	Not Specified	BLQ(LOQ-0.1)
8	Test for argemone oil	-	FSSAI Manual of Methods	Negative	Negative

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Group : General Parameters					
9	Carbohydrates	%	IS 1656 : 2022	Not Specified	BLQ(LOQ-0.1)
10	Cholesterol	mg/100g	AOAC 994.10	Not Specified	BLQ(LOQ-1.0)
11	Acid value	-	IS 548 (Part 1/Sec 2) : 2021	Max 6.0	1.18
12	Butyro refractometer reading at 40°C	-	FSSAI Manual of Methods	34.0-35.5	34.6
13	Peroxide value	meq/kg	IS 548 (Part 1/Sec 2) : 2021	MAx 10.0	2.04
14	Polenske value	-	IS 548 (Part 1/Sec 2) : 2021	Min 13.0	14.04
15	Energy	Kcal/100g	CommGrade/L3-GG N-FOO-132	Not Specified	898.83
16	Iodine value	-	IS 548 (Part 1/Sec 2) : 2021	7.50-10.0	8.87
17	Rancidity	-	FSSAI Manual	Absent	Absent
18	Refractive Index at 40°C	-	FSSAI Manual of Methods	1.4480-1.4500	1.4486
19	Saponification Value	-	IS 548 (Part 1/Sec 2) : 2021	Min 250	258.47
20	Unsaponifiable matter	%	IS 548 (Part 1/Sec 2) : 2021	Max 1.0	0.27
Group : Fatty Acids Profile					
21	Monounsaturated fattyacids	g/100g	AOAC 996.06	Not Specified	7.05
22	Polyunsaturated fatty acids	g/100g	AOAC 996.06	Not Specified	1.96
23	Saturated fatty acids	g/100g	AOAC 996.06	Not Specified	90.86
24	C6:0 (Caproic acid)	g/100g	AOAC 996.06	ND- 1.0	0.577
25	C8:0 (Caprylic acid)	g/100g	AOAC 996.06	4.0- 10.0	8.093
26	C10:0 (Capric acid)	g/100g	AOAC 996.06	5.0- 10.0	5.929
27	C12:0 (Lauric acid)	g/100g	AOAC 996.06	44.0- 53.2	47.205
28	C14:0 (Myristic acid)	g/100g	AOAC 996.06	13.0- 21.9	18.587
29	C16:0 (Palmitic acid)	g/100g	AOAC 996.06	7.5- 11.0	8.043
30	C16:1 (Palmitoleic acid)	g/100g	AOAC 996.06	ND	BLQ (LOQ-0.1)
31	C17:0 (Margaric acid)	g/100g	AOAC 996.06	ND	BLQ (LOQ-0.1)

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Group : Fatty Acids Profile					
32	C17:1 (Cis -10 Heptadecanoic)	g/100g	AOAC 996.06	ND	BLQ (LOQ-0.1)
33	C18:0 (Stearic acid)	g/100g	AOAC 996.06	1.0- 4.9	2.427
34	C18:1 (Oleic acid)	g/100g	AOAC 996.06	5.0- 10.0	7.046
35	C18:2 (Linoleic acid)	g/100g	AOAC 996.06	1.0- 2.5	1.962
36	C18:3 (Linolenic acid)	g/100g	AOAC 996.06	ND- 0.2	BLQ (LOQ-0.1)
37	C20:0 (Arachidic acid)	g/100g	AOAC 996.06	ND- 0.2	BLQ (LOQ-0.1)
38	C20:1 (Eicosenoic acid)	g/100g	AOAC 996.06	ND- 0.2	BLQ (LOQ-0.1)
39	C20:2 (Eicosadienoic)	g/100g	AOAC 996.06	ND	BLQ (LOQ-0.1)
40	C22:0 (Behenic acid)	g/100g	AOAC 996.06	ND	BLQ (LOQ-0.1)
41	C22:1 (Erucic acid)	g/100g	AOAC 996.06	ND	BLQ (LOQ-0.1)
42	C24:0 (Lignoceric acid)	g/100g	AOAC 996.06	ND	BLQ (LOQ-0.1)
43	C24:1 (Nervonic acid)	g/100g	AOAC 996.06	ND	BLQ (LOQ-0.1)
44	Trans Fatty acid (TFA)	g/100g	AOAC 996.06	Not Specified	BLQ(LOQ-0.1)
Group : Metal Contaminants					
45	Sodium	mg/100g	CommGrade/L3-GG N-FOO-003	Not Specified	BLQ(LOQ-0.1)

Remarks

1. Sample complies with the requirements of Food Safety Standards Regulation 2011 with respect to above tested parameters (For specified parameters only).
2. Sample particulars are provided by customer.
3. Where ever applicable, the decision rule as per QSP 27 is applied to declare the statement of conformity to a specification or standard provided in the test report.
4. BLQ=Below limit of quantification, LOQ= Limit of quantification.
5. ND= Not detected.
6. This report cancels and supersede report no. 4012610981, dated: 04.02.2026 (parameter has been added on customer request).

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Authorized By
Deepak Kumar
Technical Manager - Chemical

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----- End of the test report -----