CHENNAI METTEX LAB PRIVATE LIMITED®

Jothi Complex, 83, M.K.N. Road, Guindy, Chennai - 600 032, Tamil Nadu, INDIA
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Email : test@mettexlab.com I Web : www.mettexlab.com

TC-5589

TEST REPORT

ISSUED TO : M/s.Sri Sellandiamman Oil Mill,
No : 1/312, Kangayam Road,
Amaravathi palayam Muthur,
Kangeyam, Tiruppur - 638 105.

T.C Date : 19.09.2026

T.C No : CML/26-27/T060773

ULR-TC558926000076235F

Date of Receipt : 11.09.2026

Cust. Ref : SRF Dated: 11.09.2026

Commenced on : 11.09.2026

Lab No : 2728858/001

Completed on : 18.09.2026

Sample Name : **Coconut Oil.**
(as stated by customer)

S. No	Test Parameters	Test Method	Test Results	Prescribed Standards as per 2.2.1 (1) of the Food Safety and Standards (Food Products Standards and Food additives) Regulations, 2011
Discipline : Chemical			**Group :** Food and Agricultural Products	
Quality Test Parameters			**Sub Group :** Edible oils & fats	
1	Moisture	FSSAI 02.001	ND (DL : 0.01 %)	--
2	Free fatty acid (as Lauric acid)	FSSAI 02.009	0.13 %	--
3	Peroxide value	FSSAI 02.042	ND (DL : 1 meq/kg)	Not more than 15 meq/kg
4	Refractive Index @ 40°C	FSSAI 02.003	1.44891	1.4480 - 1.4500
5	Saponification value	FSSAI 02.007	261	Not less than 250
6	Iodine value	FSSAI 02.010	8.4	7.5 – 10.0
7	Unsaponifiable matter	FSSAI 02.008	0.57 %	Not more than 1.0 %
8	Polenske value	FSSAI 02.011	13.73	Not less than 13
9	Acid Value	FSSAI 02.009	0.25	Not more than 6.0
10	Color on Lovibond scale in 1" cell on the Lovibond scale, expressed Y+5R	FSSAI 02.005	ND (DL : 1.0)	--
Adulterants				
11	Test for Mineral oil	FSSAI 02.030	Negative	Shall be Negative
12	Test for Cottonseed oil	FSSAI 02.014	Negative	Shall be Negative
13	Test for Argemone oil	FSSAI 02.032	Negative	Shall be Negative
14	Test for added colouring matter	FSSAI 02.046	Negative	Shall be Negative

Contd...2...

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Lab No : 2728858/001 **T.C No : CML/26-27/T060773** **Dated : 19.09.2026**

S. No	Test Parameters	Test Method	Test Results	Prescribed Standards as per 2.2.1 (1), 2.2.7 of the Food Safety and Standards (Food Products Standards and Food additives) & (Contaminants, Toxins and Residues) Regulations, 2011
Discipline : Chemical			**Group :** Residues and Contaminants in Food and Agricultural Products	
Metal Contaminants			**Sub Group :** Trace Metal Elements	
1	Lead as Pb	FSSAI Manual of Methods of Analysis of Foods (Metals)	ND (DL : 0.05 mg/kg)	Not more than 0.1 mg/kg
2	Copper as Cu		ND (DL : 0.05 mg/kg)	Not more than 30 mg/kg
3	Mercury as Hg		ND (DL : 0.05 mg/kg)	Not more than 1.0 mg/kg
4	Tin as Sn		ND (DL : 0.05 mg/kg)	Not more than 250 mg/kg
5	Cadmium as Cd		ND (DL : 0.05 mg/kg)	Not more than 1.5 mg/kg
6	Arsenic as As		ND (DL : 0.05 mg/kg)	Not more than 0.1 mg/kg
7	Methyl Mercury as Hg	FSSAI 06.037	ND (DL : 0.05 mg/kg)	Not more than 0.25 mg/kg
Crop contaminant				**Sub Group :** Mycotoxins
1	Aflatoxin B_1	FSSAI 07.011	ND (DL : 0.4 µg/kg)	Not more than 10 µg/kg
2	Aflatoxin B_2		ND (DL : 0.4 µg/kg)	--
3	Aflatoxin G_1		ND (DL : 0.4 µg/kg)	--
4	Aflatoxin G_2		ND (DL : 0.4 µg/kg)	--
5	Total Aflatoxins (sum of B_1,B_2,G_1,G_2)		ND (DL : 0.4 µg/kg)	Not more than 15 µg/kg
Discipline : Chemical				**Group :** Food & Agricultural Products
Fatty acid composition (expressed as percentage of total fatty acids)				**Sub Group :** Edible oils & fats
1	C6:0 (Caproic)	FSSAI 02.019	0.37 %	ND - 1.0
	C8:0 (Caprylic)		5.72 %	4.0 - 10.0
	C10:0 (Capric)		5.39 %	5.0 - 10.0
	C12:0 (Lauric)		45.77 %	44.0 - 53.2
	C14:0 (Myristic)		21.39 %	13.0 - 21.9
	C16:0 (Palmitic)		9.61 %	7.5 - 11.0
	C16:1 (Palmitoleic)		ND (DL: 0.05 %)	ND
	C17:0 (Margaric)		ND (DL: 0.05 %)	ND
	C17:1 (Margaroleic)		ND (DL: 0.05 %)	ND
	C18:0 (Stearic)		3.13 %	1.0 - 4.9
	C18:1 (Oleic)		6.97 %	5.0 - 10.0
	C18:2 (Linoleic)		1.65 %	1.0 - 2.5
	C18:3 (Linolenic)		ND (DL: 0.05 %)	ND - 0.2
	C20:0 (Arachidic)		ND (DL: 0.05 %)	ND - 0.2
	C20:1 (Eicosenic)		ND (DL: 0.05 %)	ND - 0.2
	C20:2 (Eicosadienoic)		ND (DL: 0.05 %)	ND
	C22:0 (Behenic)		ND (DL: 0.05 %)	ND
	C22:1 (Erucic)		ND (DL: 0.05 %)	ND
	C22:2 (Docosadienoic)		ND (DL: 0.05 %)	ND
	C24:0 (Lignoceric)		ND (DL: 0.05 %)	ND
	C24:1 (Nervonic)		ND (DL: 0.05 %)	ND
	Total Trans Fats		ND (DL : 0.05 %)	Not more than 2 %

Remarks : The sample of **"Coconut Oil"** conforms with the prescribed standards as per 2.2.1 (1) & 2.2.7 of the Food Safety and Standards (Food Safety Standards and Food additives) & (Contaminants, Toxins and Residues) Regulations, 2011 with respect to the above tested parameters.
Abbreviation : ND - Not Detected; DL - Detected Limit.
Note : Test Parameters requested by customer (FBO).

Contd...3.

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Lab No : 2728858/001 **T.C No : CML/26-27/T060773** **Dated : 19.09.2026**

S. No	Test Parameters	Test Method	Test Results
Discipline - Chemical **Nutrition Test Parameters**			**Group** - Food and Agricultural Products
1	Energy	CML/A&F/NI/SOP/01	899 Kcal/100g
2	Total Fat	CML/A&F/NI/SOP/02	99.9 g/100g
3	Total Carbohydrate	CML/A&F/NI/SOP/01	ND (DL : 0.1 g/100g)
4	Total Sugar	CML/A&F/NI/SOP/03	ND (DL : 0.5 g/100g)
5	Protein	IS 7219 : 1973	ND (DL : 1.0 g/100g)
6	Saturated Fat	FSSAI 02.019	91.38 g /100g
7	Mono Unsaturated Fat		6.97 g/100g
8	Poly Unsaturated Fat		1.65 g/100g
9	Trans Fat		ND (DL : 0.05 g/100g)
10	Cholesterol	AOAC 994.10	ND (DL : 10 mg/100g)
Note : ND – Not Detection, DL - Detection Limit.			

End of Report

For Chennai Mettex Lab Private Limited

Reviewed & Authorised by
V. VAIRAVEL
Food Analyst
Authorised Signatory

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