

# गुणवत्ता परीक्षण प्रयोगशाला नारियल विकास बोर्ड

(कृषि एवं किसान कल्याण मंत्रालय, भारत सरकार)  
साउथ वाषक्कुलम पी ओ, आलुवा, कोची - 683 105, भारत

## QUALITY TESTING LABORATORY COCONUT DEVELOPMENT BOARD

(Ministry of Agriculture & Farmers Welfare, Government of India)  
South Vazhakkulam PO, Aluva, Kochi - 683 105, India  
Phone 0484-2679680, Email: cit-aluva@coconutboard.gov.in



TC-6836

### TEST REPORT

<i>Client Name &amp; Address</i>
The Secretary Peringandur Service Co-operative Bank Coconut Complex Athani.P.O, Thrissur - 680 581 8943700243

Report No	824/2023
ULR No	TC68362300000824F
Date	13/11/2023
Reg.No	J 23388
RefNo.	5992C131123

### RESULTS APPLY TO THE SAMPLE AS RECEIVED

Sample Submitted and Identified by Supplier as	Coconut Oil (Green Mythri Coconut Oil, Batch No. 01, Mfg. Date OCT23)	
Sampling Method	NA	
Sample Description/ Condition	Packed in PET Bottle Sealed intact	
Sample Quantity	500 ml	
Sample Received: 30/10/2023	Test Start Date: 01/11/2023	Test End Date:13/11/2023
Discipline:	Chemical Testing	
Product Group :	Food & Agricultural Products	

### RESULT OF ANALYSIS

SINo	Test Requirement	Protocol	Result
1	Moisture & Volatile matter	FSSAI manual -Oils & Fats, method No.02.001:2021	0.20 %
2	Acid Value	IS: 548 (Part 1//Sec 2): 2021	0.29
3	Iodine Value	IS:548(Part 1/Sec 2) : 2021	8.68
4	Saponification Value	IS: 548 (Part 1/Sec 2) : 2021	262.98
5	Unsaponifiable matter	IS: 548 (Part 1/Sec 2) : 2021	0.22 %



\*\*\*\*\*end of report\*\*\*\*

Praseetha.K.C  
Authorized Signatory

Laboratory Accredited by NABL according to ISO/IEC 17025:2017 vide Certificate No: TC - 6836

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- The Results relate only to the items tested.
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नारियल विकास बोर्ड

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**TEST REPORT**

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The Secretary Peringandur Service Co-operative Bank Coconut Complex Athani.P.O, Thrissur - 680 581 8943700243

Report No	825/2023
Date	13/11/2023
Reg.No	J 23388
RefNo.	5992C131123

**RESULTS APPLY TO THE SAMPLE AS RECEIVED**

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**RESULT OF ANALYSIS**

SINo	Test Requirement	Protocol	Result
1	Polenske Value	FSSAI manual -Oils & Fats, method No.02.011:2021	16.05
2	Specific Gravity at 30°C	FSSAI manual -Oils & Fats, method No.02.002:2021	0.9214 g/ml
3	Refractive Index at 40°C	FSSAI manual -Oils & Fats, method No.02.003:2021	1.4486
4	Insoluble Impurities	IS : 548 (part I, Sec 2) : 2021	0
5	Colour in 1.0 inch cell on the Lovibond Scale, expressed as (Y +5R)	FSSAI manual -Oils & Fats, method No.02.005:2021	0.3
6	Peroxide Value	IS: 548 (Part 1/Sec 2) : 2021	0

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7	Test for the Presence of Mineral Oil	IS : 548 part II 1976 Reaffirmed 2020	Negative
8	Test for the Presence of Argemone Oil	IS : 15642 part II 2006	Negative
9	Mono Unsaturated Fatty Acid (MUFA)	AOCS Official Method 5th Edtn.Ce 1-62	8.349 %
10	Poly Unsaturated Fatty Acid (PUFA)	AOCS Official Method 5th Edtn.Ce 1-62	1.734 %
11	Saturated Fatty Acid (SFA)	AOCS Official Method 5th Edtn.Ce 1-62	89.917 %
12	Fatty Acid Composition	AOCS Official Method 5th Edtn.Ce 1-62	-
a	Caproic Acid	AOCS Official Method 5th Edtn.Ce 1-62	0.473 %
b	Caprylic Acid	AOCS Official Method 5th Edtn.Ce 1-62	5.724 %
c	Capric Acid	AOCS Official Method 5th Edtn.Ce 1-62	4.724 %
d	Lauric Acid	AOCS Official Method 5th Edtn.Ce 1-62	43.212 %
e	Myristic Acid	AOCS Official Method 5th Edtn.Ce 1-62	21.432 %
f	Palmitic Acid	AOCS Official Method 5th Edtn.Ce 1-62	10.463 %
g	Linoleic Acid	AOCS Official Method 5th Edtn.Ce 1-62	1.734 %
h	Oleic Acid	AOCS Official Method 5th Edtn.Ce 1-62	8.349 %
i	Stearic Acid	AOCS Official Method 5th Edtn.Ce 1-62	3.795 %
j	Eicosanoic Acid	AOCS Official Method 5th Edtn.Ce 1-62	0.094 %

\*\*\*\*end of report\*\*\*\*



  
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