

Astute Labs Pvt Ltd

Sr. No. 82/1, Dangat Patil Nagar, Near Eureka Forbes,
NDA Road, Shivane, Pune-411023, Maharashtra, India
Phone no: +91-7775891738
mail: foodtest@astute-labs.com

Test Report No. ALPL/252310
Date of Issue: 14-July-2025



Test Report

Applicant Details		
Report Issued to:	Contact Person :	Ms. Vishruti
TBOF Foods Private Limited, 11 th Floor, N-1104, Jasminium Building, Magarpatta City, Hadapsar, Pune – 411028.	Contact No. :	+91 9561855305
	E-mail :	vishruti@twobrothersindia.com

Sample Details			
Name of the sample:	Groundnut Oil	Received on	07/07/2025
Sample Description:	Liquid Form	Test Started on	07/07/2025
Date of Manufacture:	30.06.2025 (Date of Expiry: 29.06.2026)	Test Completed on	14/07/2025
Batch No.	T227F54	Sample Quantity	1 Liter
Sample Collected By:	Courier	Packing Condition	Air tight packed

Discipline		Chemical Testing			
Group		Food and Agricultural Products			
Required environmental conditions		Room Temperature			
Sr. No.	Test Parameters	Standard / Test Method	Test Results	Units	Specification as per FSSAI 2.2.1-3
1	Unsaponifiable matter	IS: 548 (Part - 1 Sec - 2) 2021	0.43	%	NMT 1%
2	Saponification value	IS: 548 (Part - 1 Sec - 2) 2021	191.77	NS	188 - 196
3	Iodine value	IS: 548 (Part - 1 Sec - 2) 2021	98.83	NS	85 - 99
4	Test for hydrocyanic acid	FSSAI Manual of Oil & Fat 02.034:2021	Absent	-	-

N.S.: Not Specified



Authorized Signatory (Chemical Discipline)

1. The results contained in this test report relate only to the sample received and tested by the laboratory
2. Sampling was not done by Astute Labs Pvt. Ltd
3. This report, in full or part, shall not be published, advertised unless prior permission has been secured.
4. Sample(s) will be retained by us for a period of 15 days for non- perishable items only. Perishable items will be destroyed after completion of test.

****End of the report****

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NDA Road, Shivane, Pune-411023, Maharashtra, India
Phone no: +91-7775891738
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Test Report No. ALPL/252310A
Date of Issue: 14-July-2025

Test Report

Applicant Details		
Report Issued to:	Contact Person :	Ms. Vishruti
TBOF Foods Private Limited, 11 th Floor, N-1104, Jasminium Building, Magarpatta City, Hadapsar, Pune – 411028.	Contact No. :	+91 9561855305
	E-mail :	vishruti@twobrothersindia.com

Sample Details			
Name of the sample:	Groundnut Oil	Received on	07/07/2025
Sample Description:	Liquid Form	Test Started on	07/07/2025
Date of Manufacture:	30.06.2025 (Date of Expiry: 29.06.2026)	Test Completed on	14/07/2025
Batch No.	T227F54	Sample Quantity	1 Liter
Sample Collected By:	Courier	Packing Condition	Air tight packed

Discipline		Chemical Testing			
Group		Food and Agricultural Products			
Required environmental conditions		Room Temperature			
Sr. No.	Test Parameters	Standard / Test Method	Test Results	Units	Specification as per FSSAI 2.2.1-3
1	Flash point	FSSAI Manual of Oil & Fat	243.7	°C	-
2	Argemone oil	FSSAI Manual of Oil & Fat	Absent	-	Negative
3	Residual Hexane	FSSAI Manual of Oil & Fat	Absent	mg/100g	-
4	Natural ally isothiocyanate	IS 1797: 2017	< 0.1	g/100g	-
5	Butyrometer Reading at 40°C	FSSAI Manual of Oil & Fat	54.2	-	54.0 - 57.1
6	Refractive Index	FSSAI Manual of Oil & Fat	1.4621	-	1.4620-1.4640

N.S.: Not Specified



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End of the report

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Test Report No. ALPL/252310A
Date of Issue: 29-July-2025

Test Report

Applicant Details		
Report Issued to:	Contact Person :	Ms. Vishruti
TBOF Foods Private Limited, 11 th Floor, N-1104, Jasminium Building, Magarpatta City, Hadapsar, Pune – 411028.	Contact No. :	+91 9561855305
	E-mail :	vishruti@twobrothersindia.com

Sample Details			
Name of the sample:	Groundnut Oil	Received on	21/07/2025
Sample Description:	Liquid Form	Test Started on	21/07/2025
Date of Manufacture:	30.06.2025 (Date of Expiry: 29.06.2026)	Test Completed on	28/07/2025
Batch No.	T227F54	Sample Quantity	1 Liter
Sample Collected By:	Courier	Packing Condition	Air tight packed

Discipline		Chemical Testing			
Group		Food and Agricultural Products			
Required environmental conditions		Room Temperature			
Sr. No.	Test Parameters	Standard / Test Method	Test Results	Units	FSSAI Specification for Edible oil
Heavy Metals					
1	Lead	AOAC Official Method 2015.01 22nd Edition, 2023	< 0.1	mg/kg	0.1
2	Copper	AOAC Official Method 2015.01 22nd Edition, 2023	< 0.1	mg/kg	0.1
3	Arsenic	AOAC Official Method 2015.01 22nd Edition, 2023	< 0.1	mg/kg	0.1
4	Tin	AOAC Official Method 2015.01 22nd Edition, 2023	< 0.1	mg/kg	250
5	Zinc	AOAC Official Method 2015.01 22nd Edition, 2023	< 0.1	mg/kg	N. S
6	Cadmium	AOAC Official Method 2015.01 22nd Edition, 2023	< 0.1	mg/kg	1.5
7	Mercury	AOAC Official Method 2015.01 22nd Edition, 2023	< 0.1	mg/kg	1.0
8	Methyl Mercury	By ICPMS (In house Method)	< 0.04	mg/kg	0.25
9	Total Aflatoxin	BY HPLC (In House Method)	< 2	µg/kg	NMT 15

N.S.: Not Specified,



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