



# SHREE RAM TESTING LABORATORIES

ISO 14001 : 2015 & ISO 9001 : 2015 Approved Laboratory

Lab: A-2/103, Site-V, UPSIDC Industrial Area, Kasna, Greater Noida-201306  
H.O. 223, 2nd Floor, Living Style Mall, Jasola, New Delhi-110025

Mob: 9953984801, 9717160780, 9999024801, E-mail: stl.noida@gmail.com

E-mail: info@shreeramlab.com, shreeramlab@yahoo.com, Website: www.shreeramlab.in

Complete Analytical Solution  
ISO 14001 : 2015 & ISO 9001 : 2015 Certified

## TEST REPORT

Report No. :- STL/CT/202304242	Date : 24/08/2023
Issued to : SHREE BALAJI NETWORK SOLUTIONS B -419, KH. No.-28/2/1, Gali No.-8 Pusta Road, Delhi-110090	Your Reference : Email
	Date of Receipt : 19/08/2023
	Our Reference : Email
	Test Started on : 19/08/2023
	Test Completed on : 24/08/2023

Sample Description : One Sample Received As "Annratnam Desi Ghee"

### Nutritional Analysis of "Annratnam Desi Ghee"

S. No.	Parameter	Test Result as per 100gm	Protocol
1	Total Energy	900.0Kcal	By calculation
2	Total Carbohydrate	0.0gm	By calculation
3	Total Protein	0.0gm	IS:1797
4	Total Fat	100.0gm	AOAC
5	Saturated Fat	62.97gm	AOAC
6	Polyunsaturated Fat	9.60gm	AOAC
7	Monounsaturated Fat	27.43gm	AOAC
8	Trans Fat	1.90gm	AOAC
9	Sugar	0.0gm	IS:7219
10	Cholesterol	73 mg	AOAC
11	Vitamin A	2970IU	AOAC
12	Sodium	1.2mg	Spectrophotometer
13	Potassium	0.90mg	AOAC
14	Calcium	1.19mg	AAS
15	Dietary Fiber	0.0gm	AOAC
16	Iron	0.0mg	AAS
17	A2 Protein	Absent	Lab Method
18	RM Value	31	Lab Method
19	BR Value	40	Lab Method

### Heavy Metal Analysis of "Annratnam Desi Ghee"

S. No.	Parameter	Test result	Limit	Protocol
1	Cadmium	<0.01 mg/kg	<0.05mg/kg	AAS
2	Arsenic	<0.01 mg/kg	<0.05mg/kg	AAS
3	Mercury	<0.01 mg/kg	<0.05mg/kg	AAS
4	Lead	<0.01 mg/kg	<0.05mg/kg	AAS

### "Physio-Chemical Analysis of Annratnam Desi Ghee"

S. No.	Parameter	Test Result	Protocol
1	Total Ash	0.02%	Lab Method
2	Acid Soluble Ash, %	0.01%	Lab Method
3	Acid Insoluble Ash, %	0.02%	Lab Method
4	Moisture, %	0.02%	Lab Method
5	Acidity	0.15%	Lab Method

### "Microbiological Analysis of Annratnam Desi Ghee"

S. No.	Parameter	Test Result	Limit	Protocol
1	Total Plate Count	2.0cfu	10cfu/gm	DGHS
2	Salmonella	Absent	Absent/25gm	DGHS
3	Yeast & Moulds	Absent	Absent/gm	DGHS

Aud. Signature

Note:- (1) The above results are related only to the test performed on the sample, Endorsement to product is neither inferred. (2) This report is not to be reproduced wholly or in part & can not be used as an evidence in the court of law & should not be used in a any advertising media without special permission in writing (3) Sample will be destroyed after 30 days from the date of reporting unless otherwise specified. (4) Total liability of our lab is limited to the invoice amount (5) report refers to the sample drawn by shree ram testing Laboratories unless mentioned otherwise



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Sample Description : One Sample Received As "Annratnam Desi Ghee"		

### Fatty Acid Profile of "Annratnam Desi Ghee"

S. No.	Parameter	Retain Time	Peak Area, %	Protocol
<b>Small Chain Saturated Fatty Acid</b>				
1	Butyric Acid (C <sub>4</sub> )	3.49	5.44	By HPLC
2	Caproic Acid (C <sub>6</sub> )	6.18	2.70	By HPLC
3	Caprylic Acid (C <sub>8</sub> )	6.65	1.45	By HPLC
<b>Medium Chain Saturated Fatty Acid</b>				
1	Capric Acid	10.90	6.49	By HPLC
2	Myristic Acid	11.25	3.98	By HPLC
<b>Monounsaturated Fatty Acid (MUFA)</b>				
1	Cis Palmitoleic Acid	21.39	4.90	By HPLC
2	Trans Oleic Acid	27.18	20.19	By HPLC
3	Cis Oleic Acid	17.69	0.80	By HPLC

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Sample Description : One Sample Received As "Annratnam Mustard Oil"	

### Nutritional Analysis of "Annratnam Mustard Oil"

S. No.	Parameter	Test Result as per 100gm	Protocol
1	Total Energy	900.0Kcal	By Calculation
2	Fat	100.0gm	AOAC
3	Saturated Fat	9.90gm	AOAC
4	Monounsaturated Fat	65.09gm	AOAC
5	Polyunsaturated Fat	25.01gm	AOAC
6	Protein	0.0gm	IS:1797
7	Total Carbohydrate	0.0gm	By Calculation
8	Vitamin A	0.0IU	AOAC
9	Iron	0.12mg	AAS
10	Dietary Fiber	0.0gm	AOAC
11	Cholesterol	0.0mg	AOAC
12	Calcium	0.20mg	AAS
13	Potassium	0.0mg	AOAC
14	Sodium	0.14mg	Spectrophotometer
15	Magnesium	0.10mg	AAS

### Heavy Metal Analysis of "Annratnam Mustard Oil"

S. No.	Parameter	Test result	Limit	Protocol
1	Cadmium	<0.01 mg/kg	<0.05mg/kg	AAS
2	Arsenic	<0.01 mg/kg	<0.05mg/kg	AAS
3	Mercury	<0.01 mg/kg	<0.05mg/kg	AAS
4	Lead	<0.01 mg/kg	<0.05mg/kg	AAS

### "Physio-Chemical Analysis of Annratnam Mustard Oil"

S. No.	Parameter	Test Result	Protocol
1	Total Ash	0.01%	Lab Method
2	Acid Soluble Ash, %	0.01%	Lab Method
3	Acid Insoluble Ash, %	0.02%	Lab Method
4	Moisture, %	0.01%	Lab Method
5	Acidity	0.12%	Lab Method
6	Saponification Value	174	Lab Method
7	Iodine Value	102	Lab Method
8	Peroxide Value	0.387Meq/kg	Lab Method

### "Microbiological Analysis of Annratnam Mustard Oil"

S. No.	Parameter	Test Result	Limit	Protocol
1	Total Plate Count	1.0cfu	10cfu/gm	DGHS
2	Salmonella	Absent	Absent/25gm	DGHS
3	Yeast & Moulds	Absent	Absent/gm	DGHS

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