



National Referral Center for Milk Quality & Safety  
ICAR-National Dairy Research Institute Karnal  
(Haryana) -132001



Test Report

Report No: NRCMQS(C)/220925/34  
ULR: TC13928 25 0 00000024

Issued to : Farm to Kitchen. Sco 1,  
Gali No 2, Gita Colony  
Hansi Road, Karnal

Issued on : 22.09.2025  
Sample receipt date : 15.09.2025

Sample Particulars

Sample type : Farm to Kitchen (Cow Ghee)  
Sample by and from : Farm to Kitchen. Sco 1, Gali No 2, Gita Colony Hansi Road, Karnal

Batch no/Code no provided by customer : Nil

Sample condition : OK  
Packaging : Glass containers (Unsealed)  
Sample quantity : 400 ML  
Test started on : 15.09.2025  
Test completed on : 19.09.2025

Test Results

S. No.	Parameter	Result	Method
1.	BR reading	42.85	IS:3508-1996 (Reaffirmed 2018)
2.	Free fatty acid (% oleic acid)	0.47	IS:3508-1996 (Reaffirmed 2018)
3.	Iodine value	31.21	IS:3508-1996 (Reaffirmed 2018)
4.	Saponification value	219.75	IS:3508-1996 (Reaffirmed 2018)
5.	Moisture (%)	0.1173	IS:3508-1996 (Reaffirmed 2018)
6.	RM value	27.55	IS:3508-1996 (Reaffirmed 2018)
7.	Polenske value	1.3	IS:3508-1996 (Reaffirmed 2018)
8.	Peroxide Value (milli eqvt. Peroxide / 1000 g fat)	0.39	IS:3508-1996 (Reaffirmed 2018)
9.	Holde's test	Negative	FSSAI 01.092:2022
10.	Baudouin Test	Negative	IS:3508-1996 (Reaffirmed 2018)
11.	Detection of $\beta$ -sitosterol	Negative	As per file no. 1-90/FSSAI/SP (MS&A)/2009 Dated 25.03.2019

Ph. No. 0184-2259532 (O)

E-mail: nrcmqsndri@gmail.com

Disclaimer:

1. The results refers only to the tested sample(s) and applicable parameter(s). Endorsement of products is neither inferred not implied.
2. This report is not to be reproduced wholly or in part and cannot be used as evidence in the Court of Law, and should not be used in any advertising media without our special permission in writing.
3. Sample tested as received. Sampling has not done by NRCMQS



**National Referral Center for Milk Quality & Safety**  
**ICAR-National Dairy Research Institute Karnal**  
**(Haryana) -132001**




Certificate No. TC-13928

**Test Report**

Report No: NRCMQS(C)/220925/34  
 ULR: TC13928 25 0 00000024

12	Fatty acid profile (%)	See below mentioned table	IS 15884 (RA-2015)/ISO 15885:2002
----	------------------------	---------------------------	-----------------------------------

Fatty acid composition of samples	
Fatty acids as %age of total fatty acids	
<b>Saturated fatty acids</b>	<b>(Percentage)</b>
Butyric Acid Methyl Ester (C4:0)	4.36
Caproic Acid Methyl Ester (C6:0)	2.92
Caprylic Acid Methyl Ester (C8:0)	1.59
Capric Acid Methyl Ester (C10:0)	2.87
Lauric Acid Methyl Ester (C12:0)	2.98
Myristic Acid Methyl Ester (C14:0)	11.29
Palmitic Acid Methyl Ester (C16:0)	36.58
Stearic Acid Methyl Ester (C18:0)	12.40
<b>Mono- unsaturated fatty acids</b>	
Palmitoleic Acid Methyl Ester (C16:1)	0.03
Oleic Acid Methyl Ester (C18:1n9c)	23.60
<b>Poly- unsaturated fatty acids</b>	
Linoleic Acid Methyl Ester (C18:2n6c)	0.30
g-Linolenic Acid Methyl Ester (C18:3n6)	1.09

  
 22/09/2021  
 Rajesh Kumar  
 Quality Manager

**\*\*\*END OF REPORT\*\*\***

Ph. No. 0184-2259532 (O)  
 E-mail: nrcmqsdri@gmail.com

FAX No. 0184-2250042

Disclaimer:

1. This report is valid only to the tested sample(s) and applicable parameter(s). Endorsement of products is neither inferred nor intended.
2. This report should not be reproduced wholly or in part and cannot be used as evidence in the Court of Law, and should not be used in any media without our special permission in writing.
3. Sample was not received. Sampling has not done by NRCMQS

