



QC-1/306 (19-6-03)
APPROVED BY AGMARK (Govt. of India)
ISO 9001:2008 Certified Company



Innovation & Quality Providing Food
Testing Company

R. K. ANALYTICAL LABORATORIES PVT. LTD.

Plot No. 1114, G.I.D.C.-2,
Sabalpur, JUNAGADH-362 002.

Mo. 98790 02937

E-mail : rklabqc@yahoo.com

TEST REPORT

Report Ref. No.:	RKL26270422005	Issue Date:	23.04.2026
ULR No.	TC-1604626000002160F	Sample Code No.	26270422005
Name & Address of Company / Person	BHARAT BOTANICS, Plot No., 4C & 4D, Shubham Industrial Area, Rajkot Highway, At. Jamvadi, Gondal		
Name & Address of Seller / Buyer Party	--		
Commodity / Product	Ghee (Buffalo)	Product Code (Group)	Food & Agricultural Products
Sample Area / Vehicle No.	--	Discipline	Chemical
Sample Seal / Stamp Details	--	Batch No./ Code No./ Bill No.:	--
Quantity of Material	--	Sample Drawn / Submitted By	By Courier
Received Sample Condition	Satisfactory	Quantity of Sample	200gm x 1 (Plastic Bottle)
Date of Mfg.	--	Any Other Information	--
Date of Sampling	--	Date of Exp.	--
Date of Sample Receipt	22.04.2026	Date of Testing	22.04.2026

CHEMICAL ANALYSIS RESULTS

Sr. No.	Particular Test Name	Unit	Analysis Results	F.S. Standard Limits	Party Specification	Test Method
1.	Appearance	--	Semi Liquid White	--	--	Visual Method
2.	Moisture	%	0.32%	Min. 0.50%	--	FSSAI 01.086:2022
3.	B.R. Reading at 40.0°C	--	42.3 at 40.0°C	40.0 to 44.0	--	FSSAI 01.088:2022
4.	R.M. (Reichert-Meissl) Value	--	29.20	Min. 24.0	--	FSSAI 01.090:2022
5.	Baudouin Test	--	Negative	Must Be Negative	--	FSSAI 01.091:2022
6.	F.F.A. as Oleic Acid	%	0.36%	Max. 2.0%	--	FSSAI 01.089:2022

--- End of the Test Report---

Reviewed By
Mr. Vatsal Vasveliya
(T.M. Chemical)



Authorized By
Mr. Raj Vasveliya
(Q.M. Chemical)

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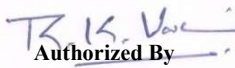
CHEMICAL ANALYSIS RESULTS

Sr. No.	Particular Test Name	Unit	Analysis Results	F.S. Standard Limits	Party Specification	Test Method
1.	Appearance	--	Semi Liquid White	--	--	Visual Method
2.	Milk Fat	%	--	Min. 99.50%	--	FSSAI 01.087:2022
3.	After Alcohol Washing R.M. Value	--	--	--	Max. 2.00 Diff. in Btw. R.M. Value	FSSAI 01.090:2022
4.	Polenske Value	%	1.18%	0.50 to 2.0	--	FSSAI 01.090:2022
5.	Iodine Value	%	--	25.0 to 38.0	--	FSSAI 01.095:2022
6.	Peroxide Value	Meq/kg	--	Free From Rancidity	--	FSSAI 01.094:2022
7.	Mineral Oil Test	--	--	Must Be Negative	--	FSSAI 01.092:2022
8.	Saponification Value	%	--	205.0 to 235.0	--	FSSAI 01.096:2022
9.	Added Coloring Matter	--	Negative	Must Be Negative	--	FAD Lab Manual
10.	Presence of β - Sitosterol	--	Negative	Must Be Negative	Must Be Negative	FSSAI 01.097:2022
11.	Turmeric Test	--	--	Must Be Negative	--	FAD Lab Manual
12.	Halphen (Cotton Oil) Test	--	--	--	--	FSSAI02.014.2021

--- End of the Test Report---


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FATTY ACID ANALYSIS RESULTS

Sr. No.	Particular Test Name	Unit	Analysis Results	F.S. Standard Limits	Test Method
1.	Butyric Acid (C4:0)	%	4.689%	1.0% to 5.0%	FSSAI 01.093:2022
2.	Caproic Acid (C6:0)	%	2.098%	0.5% to 2.20%	
3.	Caprylic Acid (C8:0)	%	1.275%	0.40% to 1.50%	
4.	Capric Acid (C10:0)	%	2.395%	0.80% to 5.0%	
5.	Lauric Acid (C12:0)	%	2.670%	1.50% to 4.0%	
6.	Myristic Acid (C14:0)	%	10.239%	6.0% to 13.0%	
7.	Myristoleic Acid (C14:1)	%	0.897%	--	
8.	Pentadecanoic Acid (C15:0)	%	1.194%	--	
9.	Cis-10 Pentadecanoic Acid (C15:1)	%	0.299%	--	
10.	Palmitic Acid (C16:0)	%	33.395%	22.0% to 38.0%	
11.	Palmitoleic Acid (C16:1)	%	1.871%	0.90% to 2.80%	
12.	Stearic Acid (C18:0)	%	11.024%	8.0% to 19.0%	
13.	Oleic Acid (C18:1)	%	23.976%	19.0% to 32.0%	
14.	Elaidic Acid (C18:1n9t)	%	0.674%	--	
15.	Linoleic Acid (C18:2)	%	1.213%	0.50% to 3.50%	
16.	Linolelaidic Acid (C18:2n6t)	%	0.324%	--	
17.	Linolenic Acid (C18:3)	%	0.475%	0.30% to 1.0%	
18.	Arachidic Acid (C20:0)	%	0.961%	--	
19.	Cis-11-Eicosanoic Acid (C20:1)	%	0.052%	--	
20.	Cis-11,14-Eicosanoic Acid (C20:2)	%	0.063%	--	
21.	Behenic Acid (C22:0)	%	0.215%	--	

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