

TEST REPORT

Issued to :

Shuddham Organics

Khasra 405, Nangli isha, NH119, mawana meerut road, Mawana, Meerut 250001 (UP)

J.O. No. : O&F20250516-010-021
 ULR Code : TC5503 25 1 00003431 F
 Report Date : 21-05-2025
 Sample Receipt Date : 16-05-2025
 Account Manager : BD Team 1
 Credit Manager : Gulab/Septesh



Customer Provided Information:#

Nature/Name of the Sample

: A2 Cow Ghee

Laboratory Provided Information:

Sample Quantity & Packaging

: 2X500 gm, Pet jar

Date of Performance of Test

: 16th - 21st May, 2025

Method of Sampling

: The Sample is provided by Shuddham Organics through Courier.



Analysis Report

Physical Description : Light pale yellow colour, free from rancidity, acceptable flavor, added flavouring substances suspended or foreign matter, separated water & Added colouring matter.

S. No.	Parameters	Unit	Test Results	FSSR, 2011	Method
Physical Analysis					
1	Test for Rancidity	--	Absent	Absent	FSSAI Manual for Oils & Fats
Chemical Analysis					
1	Baudouin Test	--	Negative	Negative	IS 3508
2	Butyro-Refractometer Reading at 40°C	--	42.4	40.0 to 44.0	IS 3508
3	Free Fatty Acid (as Oleic Acid)	% by wt	0.58	NMT 2.0	IS 3508
4	Milk Fat	% by wt	99.81	NLT 99.5	FSSAI Manual For Dairy & Dairy Products
5	Moisture	% by wt	0.19	NMT 0.5	IS 3508
6	Peroxide value	meq/Kg	1.32	Not Specified	IS 3508
7	Polenske value	--	1.01	0.5-2.0	FSSAI Manual For Dairy & Dairy Products
8	RM value	--	28.42	NLT 24.0	IS 3508
Adulteration					
1	Dalda	--	Negative	Negative	FSSAI Manual for Oils & Fats
2	Mashed Potato	--	Negative	Negative	FL/SOP/OC-90
3	Old Ghee	--	Negative	Negative	FSSAI Manual for Oils & Fats
4	Other Starch	--	Absent	Absent	FL/SOP/OC-90
5	Presence of vegetable fat	--	Absent	Absent	FSSAI 01.097:2022
6	Sweet Potato	--	Negative	Negative	FL/SOP/OC-90
7	Starch	--	Absent	Absent	FL/SOP/OC-90
8	Test for Vanaspati	--	Negative	Negative	FSSAI Manual for Oils & Fats

Authorised Signatory

Mr. Piyush Jai Mallick, Scientist-C

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Customer Provided Information:#

Nature/Name of the Sample

: A2 Cow Ghee

Laboratory Provided Information:

Sample Quantity & Packaging

: 2X500 gm, Pet jar

Date of Performance of Test

: 16th - 21st May, 2025

Method of Sampling

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Analysis Report

S. No.	Parameters	Unit	Test Results	FSSR, 2011	Method
Heavy Metals					
1	Arsenic	mg/kg	BLQ, (LOQ-0.02)	NMT 1.1	FL/SOP/12-05
2	Cadmium	mg/kg	BLQ, (LOQ-0.02)	NMT 1.5	FL/SOP/12-05
3	Lead	mg/kg	BLQ, (LOQ-0.02)	NMT 0.02	FL/SOP/12-05
4	Mercury	mg/kg	BLQ, (LOQ-0.02)	NMT 1.0	FL/SOP/12-05
Vitamins					
1	Vitamin A	mcg/100g	796.37	Not Specified	FL/SOP/01-02

Authorised Signatory

Mr. Mithilesh Kumar, Scientist-B

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Analysis Report

S. No.	Parameters	Unit	Test Results	FSSR, 2011	Method
Added Natural Colours					
1	Curcumin	--	Absent	Absent	FL/SOP/OC-37
Synthetic Colours					
1	Brilliant Blue FCF	--	Absent	Absent	FL/SOP/OC-39
2	Carmoisine	--	Absent	Absent	FL/SOP/OC-39
3	Erythrosine	--	Absent	Absent	FL/SOP/OC-39
4	Fast Green FCF	--	Absent	Absent	FL/SOP/OC-39
5	Indigo Carmine	--	Absent	Absent	FL/SOP/OC-39
6	Ponceau 4R	--	Absent	Absent	FL/SOP/OC-39
7	Sunset Yellow FCF	--	Absent	Absent	FL/SOP/OC-39
8	Tartrazine	--	Absent	Absent	FL/SOP/OC-39

Authorised Signatory

Mr. Piyush Jai Mallick, Scientist-C

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Analysis Report

S. No.	Parameters	Unit	Test Results	FSSR, 2011	Method
Fatty Acid Profile					
1	Butyric (C4:0)	% by wt	1.765	1.0-5.0	FL/SOP/02-45
2	Caproic (C6:0)	% by wt	1.295	0.5-2.2	FL/SOP/02-45
3	Caprylic (C8:0)	% by wt	1.115	0.4-1.5	FL/SOP/02-45
4	Capric (C10:0)	% by wt	1.816	0.8-5.0	FL/SOP/02-45
5	Undecanoic (C11:0)	% by wt	0.074	Not Specified	FL/SOP/02-45
6	Lauric Acid (C12:0)	% by wt	5.824	1.5-4	FL/SOP/02-45
7	Tridecanoic (C13:0)	% by wt	0.104	Not Specified	FL/SOP/02-45
8	Myristic (C14:0)	% by wt	10.449	6.0-13.0	FL/SOP/02-45
9	Myristoleic (C14:1)	% by wt	0.662	Not Specified	FL/SOP/02-45
10	Pentadecanoic (C15:0)	% by wt	1.179	Not Specified	FL/SOP/02-45
11	Pentadecanoic (C15:1)	% by wt	0.359	Not Specified	FL/SOP/02-45
12	Palmitic (C16:0)	% by wt	30.575	22-38	FL/SOP/02-45
13	Palmitoleic (C16:1)	% by wt	1.95	0.9-2.8	FL/SOP/02-45
14	Heptadecanoic (C17:0)	% by wt	0.66	Not Specified	FL/SOP/02-45
15	Cis-10 Heptadecanoic (C17:1)	% by wt	0.227	Not Specified	FL/SOP/02-45
16	Stearic (C18:0)	% by wt	11.575	8.0-19.0	FL/SOP/02-45
17	Petrolenic (C18:1 6C)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
18	Oleic (C18:1 9c)	% by wt	22.185	19-32	FL/SOP/02-45
19	Vaccenic (C18:1 11C)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
20	Linoleic (C18:2)	% by wt	3.344	0.5-3.5	FL/SOP/02-45
21	Alpha linolenic (C18:3)	% by wt	0.579	0.3-1.0	FL/SOP/02-45
22	Arachidic Acid (C20:0)	% by wt	0.571	Not Specified	FL/SOP/02-45
23	Eicosenoic (C20:1)	% by wt	0.386	Not Specified	FL/SOP/02-45
24	Eicosadenoic Acid (C20:2)	% by wt	ND, [DL-0.05]	Not Specified	FL/SOP/02-45
25	Behenic (C22:0)	% by wt	0.536	Not Specified	FL/SOP/02-45

Authorised Signatory

Dr. Sammaiah Arukali

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Customer Provided Information:#

Nature/Name of the Sample

: A2 Cow Ghee

Laboratory Provided Information:

Sample Quantity & Packaging

: 2X500 gm, Pet jar

Date of Performance of Test

: 16th - 21st May, 2025

Method of Sampling

: The Sample is provided by Shuddham Organics through Courier.



Analysis Report

S. No.	Parameters	Unit	Test Results	FSSR, 2011	Method
Nutritional Analysis					
1	Energy	kcal/100g	898.29	Not Specified	FL/SOP/OC-35
2	Protein	% by wt	0.0	Not Specified	FL/SOP/OC-45
3	Total Carbohydrate	% by wt	0.0	Not Specified	FL/SOP/OC-46

ND= Not Detected; **DL=** Detection Limit; **BLQ=** Below Limit of Quantification; **LOQ=** Limit of Quantification; **NMT=** Not More Than

Inference: The tested sample **conforms** to FSSR,2011 w.r.t. above tests.

Authorised Signatory

Mr. Piyush Jai Mallick, Scientist-C

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*****End of Report*****

TEST REPORT

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Khasra 405, Nangli isha, NH119, mawana
meerut road, Mawana, Meerut 250001(UP)

J.O. NO.: FL/FA/16052025-466

ULR Code: TC5503 25 0 00062793 F

Report Date: 21/05/2025

Sample Receipt Date: 16/05/2025

Account Manager: BD Team 1

Credit Manager: Gulab/Septesh

Customer Provided Information: #

Nature/Name of the Sample

: Honey

PKD Date

: 12/05/2025

Laboratory Provided Information:

Sample Quantity

: 1x500g, Polypack

Date of Performance of Test

: 16th - 21st May, 2025

Method of Sampling

: The Sample is provided by
Shuddham Organics, through Courier.


Analysis Report

Physical Description: Honey, free from extraneous matter, It has pleasant aroma, sweet flavor and taste.

It is free from organic and inorganic matter including visible mould, insects and insect debris, fragments of bees, brood, pieces of bee was, grains of sand, any other extraneous matter.

FSSR, Clause No.: 2.8.3 (Honey)

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Chemical Analysis:				
1	Specific gravity at 27° C	1.4074	NLT 1.35	IS 4941
2	Moisture, % by wt.	18.10	NMT 20	IS 4941
3	Total reducing sugars, % by wt.	78.85	NLT 65	IS 4941
4	Sucrose, % by wt.	1.94	NMT 5	FL/SOP/01-13 Based on AOAC 977.20
5	F/G Ratios	1.20	0.95-1.50	FL/SOP/01-13 Based on AOAC 977.20
6	Ash, % by wt.	0.32	NMT 0.50	IS 4941
7	Acidity expressed as formic acid, percent by mass	0.04	NMT 0.20	IS 4941
8	Fiehe test	Negative	Negative	IS 4941

NMT = Not More Than; **NLT** = Not Less Than

Inference: The tested sample **conforms** to FSSR, 2011 w.r.t. above test.

Reviewed By

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Mr. Piyush Jai Mallick, Scientist C

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****End of Report****

TEST REPORT

Issued to: Shuddham Organics

Khasra 405, Nangli isha, NH119, mawana
 meerut road, Mawana, Meerut 250001 (UP)

J.O. NO.: FL/FA/16052025-467
 ULR Code: TC5503 25 0 00062794 F
 Report Date: 21/05/2025
 Sample Receipt Date: 16/05/2025
 Account Manager: BD Team 1
 Credit Manager: Gulab/Septesh

Customer Provided Information:

Nature/Name of the Sample

PKD Date

: **Jaggery Powder**

: 22/04/2025

Laboratory Provided Information:

Sample Quantity

Date of Performance of Test

Method of Sampling

: 1x500g, Polypack

: 16th – 21st May, 2025

: The Sample is provided by
 Shuddham Organics, through Courier.



Analysis Report

Physical Description: Jaggery Powder, it shall be free from foreign matter.

FSSR, Clause No.: 2.8.4.2 (Jaggery Powder)

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Chemical Analysis:				
1	Moisture, % by wt.	3.80	NMT 7	FSSAI Manual 4
2	Total sugar expressed as invert sugar, % by wt.	92.88	NLT 90	FSSAI Manual 4
3	Extraneous matter insoluble in water, % by wt.	Absent	NMT 2.0	FSSAI Manual 4
4	Sulphated ash, % by wt.	1.59	NMT 4	FSSAI Manual 4
5	Ash Insoluble in hydrochloric acid (HCl), % by wt.	0.05	NMT 0.5	FSSAI Manual 4
6	Protein, % by wt.	0.66	Not Specified	IS 7219
7	Fat, % by wt.	ND, [DL-0.1]	Not Specified	FSSAI Manual 4
8	Energy, Kcal/100g	368.91	Not Specified	FL/SOP/FC-02

NLT=Not Less Than; **NMT**=Not More Than; **ND**= Not Detected; **DL**= Detection Limit

Reviewed By

Page 1 of 2

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 Mr. Piyush Jai Mallick, Scientist C

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Credit Manager: Gulab/Septesh

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Nature/Name of the Sample

PKD Date

Laboratory Provided Information:

Sample Quantity

Date of Performance of Test

Method of Sampling

: **Jaggery Powder**

: 22/04/2025

: 1x500g, Polypack

: 16th - 21st May, 2025

: The Sample is provided by
Shuddham Organics, through Courier.


TC-5503

Analysis Report

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Heavy Metals:				
1	Lead, mg/kg	BLQ, [LOQ-0.05]	NMT 5.0	FL/SOP/12-36
2	Arsenic, mg/kg	BLQ, [LOQ-0.05]	NMT 1.1	FL/SOP/12-36

ND=Not Detected; **LOQ**=Limit of Quantification; **NMT**=Not More Than

Inference: The Tested Sample **Conforms** to FSSR, 2011 Specification w.r.t the above tests only.

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Report Date: 21/05/2025

Sample Receipt Date: 16/05/2025

Account Manager: BD Team 1

Credit Manager: Gulab/Septesh

Customer Provided Information: #

Nature/Name of the Sample

PKD Date

Batch No.

: **Kashmiri Saffron**

: 01/02/2025

: SH1225

Laboratory Provided Information:

Sample Quantity

Date of Performance of Test

Method of Sampling

: 1x500g, Polypack

: 16th - 21st May, 2025

: The Sample is provided by
Shuddham Organics, through Courier.


TC-5503

Analysis Report

Physical Description: Saffron, free from foreign matter.

FSSR, Clause No. 2.9.17.1 (Saffron Kesar)

S. No.	Parameter	Test Result	FSSR, 2011	Protocol
Chemical Analysis:				
1	Foreign Matter (Extreneous matter), % by wt.	ND, [DL-0.1]	NMT 1.0	IS-5453 (P-1)
2	Moisture & Volatile Matter Content), % by wt.	9.77	NMT 12.0	FSSAI Manual of Method of Analysis of Foods Spices Herbs and Condiments, (FSSAI 10.027.2021)
3	Total Ash(ODB), % by wt.	5.54	NMT 8.0	FSSAI Manual of Method of Analysis of Foods Spices Herbs and Condiments, 2021 (FSSAI 10.006:2021): 2021
4	Acid Insoluble Ash, % by wt.	0.19	NMT 1.5	FSSAI Manual of Method of Analysis of Foods Spices Herbs and Condiments, 2021 (FSSAI 10.007:2021): 2021
5	Solubility in cold Water on dry matter, % by wt.	56.80	NMT 65.0	FSSAI Manual of Method of Analysis of Foods Spices Herbs and Condiments (FSSAI 10.0092021): 2021
6	Pungent Flavour	Characteristic	Absent	FL/SOP/FC-261
7	Foreign odour	Characteristic	Absent	FL/SOP/FC-261
8	Colouring Strength, % by wt.	145.59	NLT 80.0	IS-5453 (P-2)
9	Artificial Colourants	Absent	Absent	FL/SOP/FC-07
10	Crude fibre, % by wt.	2.62	NMT 6.0	FSSAI Manual of Method of Analysis of Foods Spices Herbs and Condiments, (FSSAI 10.0142021): 2021

ND=Not Detected; DL=Detection Limit; NLT=Not Less Than; NMT=Not More Than
Inference: The above tested sample **conforms** to FSSR, 2011 w.r.t above tests.

Reviewed By

Page 1 of 1

Authorised Signatory

Mr. Piyush Jai Mallick, Scientist C

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