



MONARCH BIOTECH PVT. LTD.

UNIT : MONARCH NUCLEAR COUNTING LABORATORY



Certificate No.: TC-6206

Accredited by : AERB & NABL Recognized by : BIS & *fssai*

TEST REPORT

ORIGINAL

Report Number: MBT / TR / 2879 / 2018 – 19

Date: 16.08.2018

PARTICULARS OF SAMPLE SUBMITTED

Sample Described by customer as : RAAJ GHEE
Customer Name : M/S.A.R.DAIRY FOOD PRIVATE LIMITED
Customer Address : 10 / 5C, Madurai Road, Begampur Post, Dindigul.
Postal Code : 624 002
State : Tamil Nadu
Country : India
Sample Code No : M1808005
Sample Type : GHEE
Sample Received Date : 09.08.2018
Sample Qty. Recd. : 200ml X 3 No's
Customer Reference : Letter Dated: 06.08.2018
Batch No : KSAR.81
Mfg Date : 21.07.2018
Exp. Date : Best Before 9 month from DOM

Terms and Condition

This report in full or in part shall not be published, advertised, used for any legal action, unless prior permission has been secured. This test report pertains only for the sample tested and such samples are retained for 7 days (in case of perishable) and 15 days for all other samples. If there is any complaint received from the customer within 15 days from the date of report, sample will be kept for 30 days. The samples from regulatory bodies are to be retained as specified. Sample not drawn by laboratory.



For Monarch Biotech Pvt Ltd

M. Saravanan

Authorized Signatory
M.Saravanan
Quality Manager.

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Regd. Office & Sample Collection Centre : New No. 17/1, Sadullah Street, T. Nagar, Chennai - 600 017, Tamilnadu, INDIA.

Phone: 91-44- 24352756 / 24312656. E mail : monarchbio@gmail.com, info@monarchtestinglab.com Website : www.monarchtestinglab.com

LAB : 37-A, SIDCO Industrial Estate, Thirumazhisai, Chennai - 600 124, Tamilnadu, INDIA. Phone: 91-44- 26810052

FORM No.: MBT / QF / 059

Issue No.: 01

Issue Date: 06/06/14

Amend No.: NIL

Amend Date: NIL



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TEST REPORT

Date: 16.08.2018

Sample No : M1808005

Job Card No : 2879

Report No : MBT / TR / 2879 / 2018 - 19

Reference to sampling procedure,
Wherever applicable : Not applicable

Deviation from the test methods as prescribed
in relevant ISS/Work Instructions, if any : NIL

Test Commenced On : 09.08.2018

Test Completed On : 14.08.2018

| Sl.NO | TEST NAME | METHOD | RESULTS | UNIT | Requirement as per 2.1.10.2 FSSAI |
|--------------------------------|--------------------------------------|--|----------------------|-------|-----------------------------------|
| I. PHYSICAL PARAMETERS | | | | | |
| 1 | Appearance | Physical Examination | Creamy solid | --- | --- |
| 2 | Colour | | Light Yellow Colour | --- | --- |
| 3 | Taste | | Agreeable Taste | --- | --- |
| 4 | Odour | | Characteristic Odour | --- | --- |
| II. PRESERVATIVES | | | | | |
| I | Test for antioxidants BHA | Manual of Methods of Analysis of Foods - Food Additives - FSSAI - 2016 | Absent (LOQ : 10) | mg/kg | Max 175 |
| III. QUALITY PARAMETERS | | | | | |
| 6 | Moisture Content | IS 548 (Part - I) : 1964 (Reaffirmed 2015) | 0.14 | % | Max 0.50 |
| 7 | Butyro Refractometer Reading at 40°C | | 42.5 | --- | 41.0 - 44.0 |
| 8 | Free Fatty Acids (as Oleic Acid) | | 0.31 | % | Max 3.0 |



S. Asokan

Authorized Signatory
S.Asokan,

Dy. Instrumentation Head - Chemical

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Date: 16.08.2018

| Sl.NO | TEST NAME | METHOD | RESULTS | UNIT | Requirement as per 2.1.10.2 FSSAI |
|-------|------------------------|---|------------------|--------|-----------------------------------|
| 9 | Reichert-Meissel Value | IS 548 (Part - I) : 1964 (Reaffirmed 2015) | 28.2 | --- | Min 24.0 |
| 10 | Polenske Value | | 1.0 | --- | --- |
| 11 | Peroxide Value | FSSAI Manual of Methods for Oil and Fats-2016 | BLQ (LOQ : 0.01) | meq/kg | --- |
| 12 | Baudouin Test | IS 548 (Part - II) : 1976 (Reaffirmed 2010) | Negative | --- | Negative |
| 13 | Extraneous matter | FSSAI Manual of Methods for Oil and Fats-2016 | Absent | --- | Absent |
| 14 | Milk Fat | | 99.86 | % | Min 99.5 |
| 15 | Phenolphthalein test | | Negative | --- | --- |

Note: BLQ: Below Limit of Quantification; LOQ: Limit of Quantification.

Opinion: The above sample "GHEE" conforms to the standards laid down under 2.1.10.2 of the Food Safety and Standards (Food Products Standards & Food Additives) Regulations 2011 for the above tested parameters.



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Dy. Instrumentation Head – Chemical

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Job Card No : 2879

Report No : MBT / TR / 2879 / 2018 - 19

Reference to sampling procedure,
Wherever applicable : Not applicable

Deviation from the test methods as prescribed
in relevant ISS/Work Instructions, if any : NIL

Test Commenced On : 09.08.2018

Test Completed On : 10.08.2018

| Sl.NO | TEST NAME | METHOD | RESULTS | UNIT |
|-------|----------------|----------------------|---------|--------|
| 1 | Coliform count | IS 5401 Part -1 2012 | < 10 | Cfu/gm |

Note : < 10 can be considered as absent

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



Authorized Signatory
S.Thamaraiselvi
Technical Manager – Biological

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