



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



Chemical T-2637
Biological T-2639
Mechanical T-2638

Report No : QFD/19080277-01

Page 1 of 3

Report Date: 24 Aug 2019

Customer Name : M/s. A.R.Dairy Food Private Limited
Customer Address : No:10/5C, Madurai Road,Begampur Post, Dindigul-624 002
Sample Name : Raaj Toned Milk **Sample Quantity** : 5X500ml
Sample Description : Raaj Toned Milk **Sample Received on** : 14 Aug 2019
Reference : Test Request Form Dated 12.01.2019 **Test Started on** : 14 Aug 2019
Sample Identification : Batch No: DFS.G1, Use by date: 15 AUG 19 **Test Completed on** : 24 Aug 2019
Sample Drawn By : Customer

TEST RESULTS

| S.NO | Parameter | Test Method | Unit | Results | Requirement as per FSSR 2011 Amd.2019 |
|-------------------------------|---------------------|-----------------------------|-----------|---------------|---------------------------------------|
| Artificial Sweetener | | | | | |
| 1 | Saccharin | SMSLA/IN/SOP/77 | mg/kg | BLQ(LOQ:0.50) | -- |
| Biological | | | | | |
| 2 | Coliform | IS 5401 Part 1 | cfu/ml | <1 | <10/ml |
| 3 | Total Plate Count | IS 5402 | cfu/ml | 20000 | NMT 30,000/ml |
| Chemical | | | | | |
| 4 | Carbohydrate | IS 1656 | g/100g | 4.0 | -- |
| 5 | Detergent Residues | FSSAI Manual - 1 | -- | Absent | -- |
| 6 | Energy | SMSLA/FD/SOP/011 | Kcal/100g | 60.10 | -- |
| 7 | Fat | FSSAI Manual - 1 | g/100g | 3.10 | NLT 3.0 |
| 8 | Neutralizers | FSSAI Manual - 1 | -- | Absent | -- |
| 9 | Nitrates* | FSSAI Manual - 1 | -- | Absent | -- |
| 10 | Peroxide value | FSSAI Manual - 1 | (meq/kg) | Nil | -- |
| 11 | Protein (N * 6.38) | AOAC 21st Edition - 2001.11 | g/100g | 4.05 | NLT 2.9 |
| 12 | Salt as NaCl | FSSAI Manual - 1 | -- | Absent | -- |
| 13 | Solid Not Fat (SNF) | FSSAI Manual - 1 | g/100g | 8.70 | NLT 8.5 |
| 14 | Sugar | FSSAI Manual - 1 | -- | Absent | -- |
| Chemical - Adulterants | | | | | |
| 15 | Added Glucose | FSSAI Manual - 1 | -- | Absent | -- |
| 16 | Added Urea | FSSAI Manual - 1 | -- | Absent | -- |
| 17 | Cane Sugar/Sucrose | FSSAI Manual - 1 | -- | Absent | -- |
| 18 | Cellulose | FSSAI Manual - 1 | -- | Absent | -- |


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 Manager Microbiology


P. KUMAR
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| S.NO | Parameter | Test Method | Unit | Results | Requirement as per FSSR 2011 Amd.2019 |
|---------------------------------|----------------------------|------------------|-------|---------------|---------------------------------------|
| 19 | Maltodextrin* | FSSAI Manual - 1 | -- | Absent | -- |
| 20 | Starch | FSSAI Manual - 1 | -- | Absent | -- |
| Chemical - Preservatives | | | | | |
| 21 | Boric Acid & Borates | FSSAI Manual - 1 | -- | Absent | -- |
| 22 | Formalin | FSSAI Manual - 1 | -- | Absent | -- |
| Cyanamides | | | | | |
| 23 | Melamine* | SMSLA/IN/SOP/45 | mg/kg | BLQ(LOQ:0.01) | NMT 2.5 |
| Heavy Metals | | | | | |
| 24 | Arsenic as As | SMSLA/IN/SOP/87 | mg/kg | BLQ(LOQ:0.01) | NMT 0.10 |
| 25 | Cadmium as Cd | SMSLA/IN/SOP/87 | mg/kg | BLQ(LOQ:0.1) | NMT 1.50 |
| 26 | Copper as Cu | SMSLA/IN/SOP/87 | mg/kg | BLQ(LOQ:0.1) | NMT 30.0 |
| 27 | Lead as Pb | SMSLA/IN/SOP/87 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02 |
| 28 | Mercury as Hg | SMSLA/IN/SOP/87 | mg/kg | BLQ(LOQ:0.1) | NMT 1.0 |
| 29 | Methyl mercury as Me-Hg* | SMSLA/IN/SOP/87 | mg/kg | BLQ(LOQ:0.1) | NMT 0.25 |
| 30 | Tin as Sn | SMSLA/IN/SOP/87 | mg/kg | BLQ(LOQ:0.1) | NMT 250 |
| Pesticide Residues | | | | | |
| 31 | OC Pesticides - G | | | | |
| | 1) 2,4' - DDE | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 2) 2,4' - DDT | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 3) 2,4' - DDD | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 4) 4,4' - DDD | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 5) 4,4' - DDE | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 6) 4,4' - DDT | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 7) Aldrin | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 8) alpha - HCH | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 9) beta - HCH | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 10) delta - HCH | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 11) Dieldrin | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 12) Hexachlorocyclohexane* | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 13) Lindane (gamma - HCH) | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 32 | OP Pesticides - G | | | | |


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Biological T-2639
Mechanical T-2638

Report No : QFD/19080277-01

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| S.NO | Parameter | Test Method | Unit | Results | Requirement as per FSSR 2011 Amd.2019 |
|--------------------------|----------------------------------|----------------------|-------|----------------------|---------------------------------------|
| | 1) Chlorpyrifos | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 33 | OP Pesticides - G | | | | |
| | 1) Chlorfenvinphos (cis & trans) | SMSLA/IN/SOP/92 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 2) Ethion | SMSLA/IN/SOP/92 | mg/kg | BLQ(LOQ:0.01) | NMT 0.5 |
| 34 | OP Pesticides - L* | | | | |
| | 1) Phorat sulfone | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| | 2) Phorate sulphoxide | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 35 | OP Pesticides - L | | | | |
| | 1) Monocrotophos | SMSLA/IN/SOP/92 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02 |
| | 2) Phorate | SMSLA/IN/SOP/92 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| Physical* | | | | | |
| 36 | Appearance | Physical Examination | -- | White colour liquid | -- |
| 37 | Taste | Physical Examination | -- | Characteristic Taste | -- |
| Toxins-Mycotoxins | | | | | |
| 38 | Aflatoxin M1 | SMSLA/IN/SOP/58 | µg/kg | BLQ(LOQ:0.25) | NMT 0.50 |

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

<1 cfu/mL can be taken as absent. cfu-colony forming unit. *Non NABL Parameters

Remarks: The above sample complies with the specification as per FSSR 2011, Amendment 2019 for the above tested parameters.

/***** End of the Report *****/


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TEST REPORT



Chemical T-2637
Biological T-2639
Mechanical T-2638

Report No : QFD/19080277-02

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Report Date: 24 Aug 2019

Customer Name : M/s. A.R.Dairy Food Private Limited
Customer Address : No:10/5C, Madurai Road,Begampur Post, Dindigul-624 002
Sample Name : Raaj Toned Milk Curd **Sample Quantity** : 4x500g
Sample Description : Raaj Toned Milk Curd **Sample Received on** : 14 Aug 2019
Reference : Test Request Form Dated 12.01.2019 **Test Started on** : 14 Aug 2019
Sample Identification : Batch No: ZGN.D1, Use by date: 25 AUG 19 **Test Completed on** : 24 Aug 2019
Sample Drawn By : Customer

TEST RESULTS

| S.NO | Parameter | Test Method | Unit | Results | Requirement as per FSSR 2011 Amd.2019 |
|-------------------------------|---------------------|-----------------------------|-----------|---------------|---------------------------------------|
| Artificial Sweetener | | | | | |
| 1 | Saccharin | SMSLA/IN/SOP/77 | mg/kg | BLQ(LOQ:0.50) | -- |
| Biological | | | | | |
| 2 | Coliform | IS 5401 Part 1 | cfu/gm | <10 | 10/g |
| 3 | Total Plate Count | IS 5402 | cfu/gm | 14800000 | NA |
| Chemical | | | | | |
| 4 | Carbohydrate | IS 1656 | g/100g | 5.69 | -- |
| 5 | Detergent Residues | FSSAI Manual - 1 | -- | Absent | -- |
| 6 | Energy | SMSLA/FD/SOP/011 | Kcal/100g | 66.11 | -- |
| 7 | Fat | FSSAI Manual - 1 | g/100g | 3.27 | NLT 3.0 |
| 8 | Neutralizers | FSSAI Manual - 1 | -- | Absent | -- |
| 9 | Nitrates* | FSSAI Manual - 1 | -- | Absent | -- |
| 10 | Peroxide value | FSSAI Manual - 1 | (meq/kg) | Nil | -- |
| 11 | Protein (N * 6.38) | AOAC 21st Edition - 2001.11 | g/100g | 3.48 | NLT 2.9 |
| 12 | Salt as NaCl | FSSAI Manual - 1 | g/100g | Absent | -- |
| 13 | Solid Not Fat (SNF) | FSSAI Manual - 1 | g/100g | 10.00 | NLT 8.5 |
| 14 | Sugar | FSSAI Manual - 1 | -- | Absent | -- |
| Chemical - Adulterants | | | | | |
| 15 | Added Glucose | FSSAI Manual - 1 | -- | Absent | -- |
| 16 | Added Urea | FSSAI Manual - 1 | -- | Absent | -- |
| 17 | Cane Sugar/Sucrose | FSSAI Manual - 1 | -- | Absent | -- |
| 18 | Cellulose | FSSAI Manual - 1 | -- | Absent | -- |

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Report No : QFD/19080277-02

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| S.NO | Parameter | Test Method | Unit | Results | Requirement as per FSSR 2011 |
|---------------------------------|----------------------------|------------------|-------|---------------|------------------------------|
| 19 | Maltodextrin* | FSSAI Manual - 1 | -- | Absent | -- |
| 20 | Starch | FSSAI Manual - 1 | -- | Absent | -- |
| Chemical - Preservatives | | | | | |
| 21 | Boric Acid & Borates | FSSAI Manual - 1 | -- | Absent | -- |
| 22 | Formalin | FSSAI Manual - 1 | -- | Absent | -- |
| Cyanamides* | | | | | |
| 23 | Melamine | SMSLA/TN/SOP/45 | mg/kg | BLQ(LOQ:0.01) | NMT 2.5 |
| Heavy Metals | | | | | |
| 24 | Arsenic as As | SMSLA/TN/SOP/87 | mg/kg | BLQ(LOQ:0.01) | NMT 1.1 |
| 25 | Cadmium as Cd | SMSLA/TN/SOP/87 | mg/kg | BLQ(LOQ:0.1) | NMT 1.5 |
| 26 | Copper as Cu | SMSLA/TN/SOP/87 | mg/kg | BLQ(LOQ:0.1) | NMT 30.0 |
| 27 | Lead as Pb | SMSLA/TN/SOP/87 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02 |
| 28 | Mercury as Hg | SMSLA/TN/SOP/87 | mg/kg | BLQ(LOQ:0.1) | NMT 1.0 |
| 29 | Methyl mercury as Me-Hg* | SMSLA/TN/SOP/87 | mg/kg | BLQ(LOQ:0.1) | NMT 0.25 |
| 30 | Tin as Sn | SMSLA/TN/SOP/87 | mg/kg | BLQ(LOQ:0.1) | NMT 250 |
| Pesticide Residues | | | | | |
| 31 | OC Pesticides - G | | | | |
| | 1) 2,4' - DDE | SMSLA/TN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 2) 2,4' - DDT | SMSLA/TN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 3) 2,4' - DDD | SMSLA/TN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 4) 4,4' - DDD | SMSLA/TN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 5) 4,4' - DDE | SMSLA/TN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 6) 4,4' - DDT | SMSLA/TN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 7) Aldrin | SMSLA/TN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 8) alpha - HCH | SMSLA/TN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 9) beta - HCH | SMSLA/TN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 10) delta - HCH | SMSLA/TN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 11) Dieldrin | SMSLA/TN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 12) Hexachlorocyclohexane* | SMSLA/TN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 13) Lindane (gamma - HCH) | SMSLA/TN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 32 | OP Pesticides - G | | | | |

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Biological T-2639
Mechanical T-2638

Report No : QFD/19080277-02

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| S.NO | Parameter | Test Method | Unit | Results | Requirement as per FSSR 2011 Amd.2019 |
|--------------------------|----------------------------------|----------------------|-------|----------------------------|---------------------------------------|
| | 1) Chlorpyrifos | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 33 | OP Pesticides - G | | | | |
| | 1) Chlorfenvinphos (cis & trans) | SMSLA/IN/SOP/92 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| | 2) Ethion | SMSLA/IN/SOP/92 | mg/kg | BLQ(LOQ:0.01) | NMT 0.5 |
| 34 | OP Pesticides - L | | | | |
| | 1) Phorat sulfone | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| | 2) Phorate sulphoxide | SMSLA/IN/SOP/15 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 35 | OP Pesticides - L | | | | |
| | 1) Monocrotophos | SMSLA/IN/SOP/92 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02 |
| | 2) Phorate | SMSLA/IN/SOP/92 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| Physical | | | | | |
| 36 | Appearance | Physical Examination | -- | White colour semi solidies | -- |
| 37 | Taste | Physical Examination | -- | Characteristic Taste | -- |
| Toxins-Mycotoxins | | | | | |
| 38 | Aflatoxin M1 | SMSLA/IN/SOP/58 | µg/kg | BLQ(LOQ:0.25) | NMT 0.5 |

Note : <10Cfu/g Can be taken as absent in 1:10 dilution. cfu-colony forming unit. * Non NABL Parameter
Note : BLQ: Below Quantification Limit, LOQ: Limit of Quantification.

Remarks: The above sample complies with the specification as per FSSR 2011, Amendment 2019 for the above tested parameters

/***** End of the Report *****/


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