



# SMS LABS SERVICES PRIVATE LIMITED

## TEST REPORT



TC-6118

ULR - TC611822000006270F

Report No : QFD22070178-02

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Report Date: 18 Jul 2022

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 500ml Sample Quantity : 500ml x 3No's  
Sample Description : Raaj Toned Milk 500ml Sample Received on : 13 Jul 2022  
Reference : Test Request Form Date 12.07.2022 Test Started on : 13 Jul 2022  
Sample Identification : Batch No:GRS.G1, Use By Date: 14 Jul 2022 Test Completed on : 18 Jul 2022  
Sample Drawn By : Customer

### TEST RESULTS

| S.NO                                              | Parameter                                                       | Test Method     | Unit  | Results        | Requirement as per FSSR 2011 Amd.2022 |
|---------------------------------------------------|-----------------------------------------------------------------|-----------------|-------|----------------|---------------------------------------|
| <b>Food &amp; Agri- Milk &amp; Dairy Products</b> |                                                                 |                 |       |                |                                       |
| <b>Antibiotics - Beta Lactam</b>                  |                                                                 |                 |       |                |                                       |
| 1                                                 | Amoxicillin                                                     | SMSLA/LS/SOP/09 | mg/kg | BLQ(LOQ:0.01)  | --                                    |
| 2                                                 | Ampicillin                                                      | SMSLA/LS/SOP/09 | mg/kg | BLQ(LOQ:0.01)  | NMT 0.01                              |
| 3                                                 | Cefapirin (Cephapirin)                                          | SMSLA/LS/SOP/09 | mg/kg | BLQ(LOQ:0.01)  | --                                    |
| 4                                                 | Ceftiofur                                                       | SMSLA/LS/SOP/09 | mg/kg | BLQ(LOQ:0.01)  | NMT 0.1                               |
| 5                                                 | Cloxacillin                                                     | SMSLA/LS/SOP/09 | mg/kg | BLQ(LOQ:0.01)  | --                                    |
| 6                                                 | Penicillin G                                                    | SMSLA/LS/SOP/09 | mg/kg | BLQ(LOQ:0.01)  | --                                    |
| <b>Antibiotics - Sulfonamides</b>                 |                                                                 |                 |       |                |                                       |
| 7                                                 | Sulfadiazine                                                    | SMSLA/LS/SOP/07 | mg/kg | BLQ(LOQ:0.005) | NMT 0.01                              |
| 8                                                 | Sulfaguanidine                                                  | SMSLA/LS/SOP/07 | mg/kg | BLQ(LOQ:0.005) | --                                    |
| 9                                                 | Sulfamethazine / Sulfadimidine                                  | SMSLA/LS/SOP/07 | mg/kg | BLQ(LOQ:0.005) | NMT 0.025                             |
| 10                                                | Sulfanilamide                                                   | SMSLA/LS/SOP/07 | mg/kg | BLQ(LOQ:0.005) | NMT 0.01                              |
| 11                                                | Sulfaquinoxaline / Sulfachinoxalin                              | SMSLA/LS/SOP/07 | mg/kg | BLQ(LOQ:0.005) | NMT 0.01                              |
| 12                                                | Sulfathiazole                                                   | SMSLA/LS/SOP/07 | mg/kg | BLQ(LOQ:0.005) | --                                    |
| <b>Antibiotics- Fluoroquinolones</b>              |                                                                 |                 |       |                |                                       |
| 13                                                | Enrofloxacin                                                    | SMSLA/LS/SOP/07 | mg/kg | BLQ(LOQ:0.01)  | --                                    |
| <b>Antibiotics-Tetracyclines</b>                  |                                                                 |                 |       |                |                                       |
| 14                                                | Sum of Oxytetracycline (OTC) and 4- Epioxytetracycline (4-EOTC) | SMSLA/LS/SOP/06 | mg/kg | BLQ(LOQ:0.01)  | NMT 0.1                               |

K. PRAKASH  
Senior Chemist

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|----------------------------|-----------------------------------------------|-------------------|-----------|-----------------|---------------------------------------|
| <b>Biological</b>          |                                               |                   |           |                 |                                       |
| 15                         | <i>Listeria monocytogenes</i>                 | IS 14988 (Part 1) | Per 25mL  | Absent          | Absent                                |
| 16                         | <i>Salmonella spp</i>                         | IS 5887 (Part 3)  | Per 25mL  | Absent          | Absent                                |
| 17                         | Total Coliforms                               | IS 5401 (Part 1)  | cfu/mL    | <1              | NMT 10                                |
| 18                         | Total Plate Count                             | IS 5402           | cfu/mL    | 1000            | NMT 30000                             |
| <b>Chemical</b>            |                                               |                   |           |                 |                                       |
| 19                         | Added Sugar                                   | SMSLA/FD/SOP/019  | g/100g    | Nil             | --                                    |
| 20                         | Added Urea                                    | FSSAI Manual 1    | --        | Absent          | --                                    |
| 21                         | Boric Acid & Borates                          | FSSAI Manual 1    | --        | Absent          | --                                    |
| 22                         | Total Carbohydrates                           | IS 1656           | g/100g    | 4.76            | --                                    |
| 23                         | Cellulose                                     | FSSAI Manual 1    | --        | Absent          | --                                    |
| 24                         | Dietary Fibre                                 | AOAC 985.29       | g/100g    | Nil             | --                                    |
| 25                         | Energy                                        | SMSLA/FD/SOP/011  | Kcal/100g | 60.88           | --                                    |
| 26                         | Total Fat                                     | FSSAI Manual 1    | g/100g    | 3.16            | NLT 3.0                               |
| 27                         | Hydrogen Peroxide                             | FSSAI Manual 1    | --        | Absent          | --                                    |
| 28                         | Maltodextrin/ Dextrin                         | IS 1479 (Part 1)  | --        | Absent          | --                                    |
| 29                         | Protein                                       | AOAC 2001.11      | g/100g    | 3.35            | --                                    |
| 30                         | Solid Not Fat                                 | AOAC 990.21       | g/100g    | 8.73            | NLT 8.5                               |
| 31                         | Total Sugar                                   | SMSLA/FD/SOP/019  | g/100g    | 4.76            | --                                    |
| 32                         | Formaldehyde                                  | FSSAI Manual 1    | --        | Absent          | --                                    |
| <b>Fatty Acid Profile</b>  |                                               |                   |           |                 |                                       |
| 33                         | Saturated Fat                                 | SMSLA/GM/SOP/01   | g/100g    | 2.221           | --                                    |
| 34                         | Trans Fat                                     | SMSLA/GM/SOP/01   | g/100g    | BLQ (LOQ:0.001) | --                                    |
| <b>Mycotoxins</b>          |                                               |                   |           |                 |                                       |
| 35                         | Aflatoxin M1                                  | SMSLA/HC/SOP/03   | µg/kg     | BLQ(LOQ:0.25)   | NMT 0.5                               |
| <b>Others - Cyanamides</b> |                                               |                   |           |                 |                                       |
| 36                         | Melamine                                      | SMSLA/LS/SOP/11   | mg/kg     | BLQ(LOQ:0.01)   | NMT 2.5                               |
| <b>Pesticides</b>          |                                               |                   |           |                 |                                       |
| 37                         | (2,4-Dichlorophenoxy) acetic acid sodium salt | SMSLA/LS/SOP/02   | mg/kg     | BLQ(LOQ:0.01)   | NMT 0.05                              |
| 38                         | Acephate                                      | SMSLA/LS/SOP/02   | mg/kg     | BLQ(LOQ:0.01)   | NMT 0.02                              |
| 39                         | Acetamiprid                                   | SMSLA/LS/SOP/02   | mg/kg     | BLQ(LOQ:0.01)   | NMT 0.02                              |

D. KARTHIK  
Microbiologist

S. RESHMA  
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|------|----------------------------|-----------------|-------|---------------|---------------------------------------|
| 40   | Azoxystrobin               | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01                              |
| 41   | Benomyl                    | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.1                               |
| 42   | Bifenthrin                 | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.2                               |
| 43   | Bitertanol                 | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05                              |
| 44   | Buprofezin                 | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01                              |
| 45   | Carbaryl                   | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05                              |
| 46   | Carbendazim                | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.1                               |
| 47   | Carbofuran                 | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05                              |
| 48   | Chlorantraniliprole        | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05                              |
| 49   | Chlorothalonil             | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.07                              |
| 50   | Chlorpyrifos Ethyl         | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02                              |
| 51   | Clothianidin               | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02                              |
| 52   | Cypermethrin-(I,II,III,IV) | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05                              |
| 53   | Deltamethrin               | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05                              |
| 54   | Dichlorvos                 | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01                              |
| 55   | Difenoconazole             | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02                              |
| 56   | Dimethoate                 | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05                              |
| 57   | Dinotefuran                | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.1                               |
| 58   | Edifenphos                 | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01                              |
| 59   | Emamectin benzoate         | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01                              |
| 60   | Ethion                     | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.5                               |
| 61   | Etofenprox                 | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02                              |
| 62   | Fenpropathrin              | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.1                               |
| 63   | Fenpyroximate              | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | --                                    |
| 64   | Fipronil                   | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02                              |
| 65   | Flubendiamide              | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.1                               |
| 66   | Flusilazole                | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05                              |
| 67   | Glufosinate                | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02                              |
| 68   | Imidacloprid               | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.1                               |
| 69   | Indoxacarb                 | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.1                               |

  
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|-----------------------------|-----------------------------------------|-----------------|---------|---------------|---------------------------------------|
| 70                          | Kresoxim methyl                         | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.01                              |
| 71                          | Mancozeb as CS2                         | SMSLA/GM/SOP/05 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.05                              |
| 72                          | Metalachlor                             | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.01                              |
| 73                          | Methomyl                                | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.02                              |
| 74                          | Methyl Chlorophenoxy Acetic Acid (MCPA) | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.04                              |
| 75                          | Metiram as CS2                          | SMSLA/GM/SOP/05 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.05                              |
| 76                          | Monocrotophos                           | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.02                              |
| 77                          | Oxydemeton methyl                       | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.01                              |
| 78                          | Paraquat                                | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.01                              |
| 79                          | Penconazole                             | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.01                              |
| 80                          | Phenthoate                              | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.01                              |
| 81                          | Phorate                                 | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.05                              |
| 82                          | Pirimiphos methyl                       | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.05                              |
| 83                          | Propiconazole                           | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.01                              |
| 84                          | Pyraclostrobin                          | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.03                              |
| 85                          | Tebuconazole                            | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.01                              |
| 86                          | Thiocloprid                             | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.05                              |
| 87                          | Thiodicarb                              | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | --                                    |
| 88                          | Thiometon                               | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | --                                    |
| 89                          | Triaccontanol                           | SMSLA/GS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.01                              |
| 90                          | Triadimefon                             | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.01                              |
| 91                          | Trichlorfon (Dylox)                     | SMSLA/LS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.05                              |
| <b>Preservatives</b>        |                                         |                 |         |               |                                       |
| 92                          | Sorbic acid                             | SMSLA/HC/SOP/18 | mg/kg   | BLQ(LOQ:10.0) | --                                    |
| <b>Sterols</b>              |                                         |                 |         |               |                                       |
| 93                          | Cholesterol                             | SMSLA/GM/SOP/02 | mg/100g | 11.507        | --                                    |
| <b>Trace Metal Elements</b> |                                         |                 |         |               |                                       |
| 94                          | Arsenic                                 | SMSLA/IS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.1                               |
| 95                          | Calcium                                 | SMSLA/IS/SOP/05 | mg/100g | 140.30        | --                                    |

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|------|----------------------------------------|-----------------|---------|---------------|---------------------------------------|
| 96   | Lead                                   | SMSLA/IS/SOP/02 | mg/kg   | BLQ(LOQ:0.01) | NMT 0.02                              |
| 97   | Methyl Mercury [Calculated as Element] | SMSLA/IS/SOP/02 | mg/kg   | BLQ(LOQ:0.1)  | NMT 0.25                              |
| 98   | Potassium                              | SMSLA/IS/SOP/05 | mg/100g | 175.50        | --                                    |
| 99   | Sodium                                 | SMSLA/IS/SOP/05 | mg/100g | 48.00         | --                                    |

Remarks: The sample complies with the specification as per FSSR 2011, Amendment 2022 for the above tested parameters.

Note: BLQ: Below Limit of Quantification; LOQ: Limit of Quantification.cfu-colony forming unit. NMT: Not more than. NLT: Not less than.

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

  
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