



SMS LABS SERVICES PRIVATE LIMITED



TEST REPORT

TC-6118

ULR - TC611823000022697F

Report No : QFD23070569-03

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Report Date: 24 Jul 2023

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 Butter **Sample Quantity** : 200g x 2No's
Sample Description : Raaj Butter **Sample Received on** : 18 Jul 2023
Reference : Test Request Form Dated 17.07.2023 **Test Started on** : 19 Jul 2023
Sample Identification : Batch No: NCR, Mfg Date: 01/07/2023, **Test Completed on** : 24 Jul 2023
Exp Date: 01/01/2024
Sample Drawn By : Customer

TEST RESULTS

| S.NO | Parameter | Test Method | Unit | Results | Requirement as per FSSR 2011 |
|--------------------------------------|---|-----------------|-------|---------------------|------------------------------|
| Antibiotics - Beta Lactam | | | | | |
| 1 | Amoxicillin | SMSLA/LS/SOP/09 | mg/kg | BLQ(LOQ:0.002) | -- |
| 2 | Ampicillin | SMSLA/LS/SOP/09 | mg/kg | BLQ(LOQ:0.002) | -- |
| 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) | -- |
| 5 | Cloxacillin | SMSLA/LS/SOP/09 | mg/kg | BLQ(LOQ:0.01) | -- |
| 6 | Penicillin G | SMSLA/LS/SOP/09 | mg/kg | BLQ(LOQ:0.002) | -- |
| 7 | Penicillin V | SMSLA/LS/SOP/09 | mg/kg | BLQ(LOQ:0.01) | -- |
| Antibiotics - Sulfonamides | | | | | |
| 8 | Sulfadiazine | SMSLA/LS/SOP/07 | mg/kg | BLQ(LOQ:0.001) | -- |
| 9 | Sulfaguanidine | SMSLA/LS/SOP/07 | mg/kg | BLQ(LOQ:0.001) | -- |
| 10 | Sulfamethazine / Sulfadimidine | SMSLA/LS/SOP/07 | mg/kg | BLQ(LOQ:0.001) | -- |
| 11 | Sulfanilamide | SMSLA/LS/SOP/07 | mg/kg | BLQ(LOQ:0.001) | -- |
| 12 | Sulfaquinoxaline / Sulfachinoxalin | SMSLA/LS/SOP/07 | mg/kg | BLQ(LOQ:0.001) | -- |
| 13 | Sulfathiazole | SMSLA/LS/SOP/07 | mg/kg | BLQ(LOQ:0.001) | -- |
| Antibiotics- Fluoroquinolones | | | | | |
| 14 | Enrofloxacin | SMSLA/LS/SOP/07 | mg/kg | BLQ(LOQ:0.00025) | -- |
| Antibiotics-Tetracyclines | | | | | |
| 15 | Sum of Oxytetracycline (OTC) and 4- Epioxytetracycline (4-EOTC) | SMSLA/LS/SOP/06 | mg/kg | BLQ(LOQ:0.005) Each | -- |


K.PRAKASH
Senior Chemist

Laboratory Address: 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai - 600124.

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|---------------------------|-------------------------------|-------------------|-----------|----------------|------------------------------|
| Biological | | | | | |
| 16 | <i>Escherichia coli</i> | IS 5887 (Part 1) | Per g | Absent | Absent |
| 17 | <i>Listeria monocytogenes</i> | IS 14988 (Part 1) | Per g | Absent | Absent |
| 18 | <i>Salmonella spp</i> | IS 5887 (Part 3) | Per 25g | Absent | Absent |
| 19 | <i>Staphylococcus aureus</i> | IS 5887 (Part 2) | cfu/g | <10 | NMT 10 |
| 20 | Total Coliforms | IS 5401 (Part 1) | cfu/g | <10 | NMT 10 |
| 21 | Total Plate Count | IS 5402 | cfu/g | 800 | NMT 25000 |
| 22 | Yeast and mould | IS 5403 | cfu/g | <10 | NMT 20 |
| Chemical | | | | | |
| 23 | Acidity as Lactic Acid | FSSAI Manual 1 | g/100g | 0.036 | -- |
| 24 | Added Sugar | SMSLA/FD/SOP/019 | g/100g | Nil | -- |
| 25 | Carbohydrates | IS 1656 | g/100g | Nil | -- |
| 26 | Cellulose | FSSAI Manual 1 | -- | Absent | -- |
| 27 | Dietary Fibre | AOAC 985.29 | g/100g | Nil | -- |
| 28 | Energy | SMSLA/FD/SOP/011 | Kcal/100g | 751.92 | -- |
| 29 | Total Fat | FSSAI Manual 1 | g/100g | 83.24 | NLT 76.0 |
| 30 | Free Fatty Acid as Oleic acid | FSSAI Manual 1 | g/100g | 0.49 | -- |
| 31 | Maltodextrin/ Dextrin | IS 1479 (Part 1) | -- | Absent | -- |
| 32 | Moisture | FSSAI Manual 1 | g/100g | 14.90 | -- |
| 33 | Peroxide value | FSSAI Manual 1 | meq/Kg | Nil | -- |
| 34 | Protein | AOAC 2001.11 | g/100g | 0.69 | -- |
| 35 | Solid Not Fat | AOAC 990.21 | g/100g | 1.86 | -- |
| 36 | Starch | FSSAI Manual 1 | -- | Absent | -- |
| 37 | Total Sugar | SMSLA/FD/SOP/019 | g/100g | Nil | -- |
| Fatty Acid Profile | | | | | |
| 38 | Mono-unsaturated Fat | SMSLA/GM/SOP/01 | g/100g | 24.647 | -- |
| 39 | Omega 3 | SMSLA/GM/SOP/01 | g/100g | 0.300 | -- |
| 40 | Omega 6 | SMSLA/GM/SOP/01 | g/100g | 1.182 | -- |
| 41 | Polyunsaturated Fat | SMSLA/GM/SOP/01 | g/100g | 1.482 | -- |
| 42 | Saturated Fat | SMSLA/GM/SOP/01 | g/100g | 57.111 | -- |
| 43 | Trans Fat | SMSLA/GM/SOP/01 | g/100g | BLQ(LOQ:0.001) | -- |

D. Karthik

D. KARTHIK
Microbiologist

S. Reshma

S. RESHMA
Senior Chemist

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|---|----------------------------|-----------------|--------|----------------|------------------------------|
| Fatty Acid Profile Trans Fatty Acids (TFA's) | | | | | |
| 44 | C18:2; Linolelaidic acid | SMSLA/GM/SOP/01 | g/100g | BLQ(LOQ:0.001) | -- |
| Mycotoxins | | | | | |
| 45 | Aflatoxin M1 | SMSLA/HC/SOP/03 | µg/kg | BLQ(LOQ:0.25) | -- |
| Others - Cyanamides | | | | | |
| 46 | Melamine | SMSLA/LS/SOP/11 | mg/kg | BLQ(LOQ:0.01) | NMT 2.5 |
| Pesticides | | | | | |
| 47 | 2,4-D | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 48 | Acephate | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02 |
| 49 | Acetamiprid | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02 |
| 50 | Azoxystrobin | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 51 | Benomyl | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.1 |
| 52 | Bifenthrin | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.2 |
| 53 | Bitertanol | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 54 | Buprofezin | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 55 | Carbaryl | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 56 | Carbendazim | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.1 |
| 57 | Carbofuran | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 58 | Chlorantranilprole | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 59 | Chlorothalonil | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.07 |
| 60 | Chlorpyrifos Ethyl | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02 |
| 61 | Clothianidin | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02 |
| 62 | Cypermethrin-(I,II,III,IV) | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 63 | Deltamethrin | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 64 | Dichlorvos | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 65 | Difenoconazole | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02 |
| 66 | Dimethoate | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 67 | Dinotefuran | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.1 |
| 68 | Edifenphos | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 69 | Emamectin benzoate | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 70 | Ethion | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.5 |


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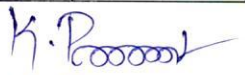
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|------|---|-----------------|-------|---------------|------------------------------|
| 71 | Etofenprox | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02 |
| 72 | Fenpropathrin | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.1 |
| 73 | Fenpyroximate | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | -- |
| 74 | Fipronil | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02 |
| 75 | Flubendiamide | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.1 |
| 76 | Flusilazole | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 77 | Glufosinate | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02 |
| 78 | Imidacloprid | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.1 |
| 79 | Indoxacarb | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.1 |
| 80 | Kresoxim methyl | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 81 | Mancozeb as CS2 | SMSLA/GM/SOP/05 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 82 | Metalachlor | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 83 | Methomyl | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02 |
| 84 | Methyl Chlorophenoxy Acetic Acid (MCPA) | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.04 |
| 85 | Metiram as CS2 | SMSLA/GM/SOP/05 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 86 | Monocrotophos | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02 |
| 87 | Oxydemeton methyl | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 88 | Paraquat | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 89 | Penconazole | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 90 | Phenthoate | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 91 | Phorate | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 92 | Pirimiphos methyl | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 93 | Propiconazole | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 94 | Pyraclostrobin | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.03 |
| 95 | Tebuconazole | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 96 | Thiocloprid | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |
| 97 | Thiodicarb | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | -- |
| 98 | Thiometon | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | -- |
| 99 | Triaccontanol | SMSLA/GS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 100 | Triadimefon | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.01 |
| 101 | Trichlorfon (Dylox) | SMSLA/LS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.05 |


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|-----------------------------|--|-----------------|---------|---------------|------------------------------|
| Sterols | | | | | |
| 102 | Cholesterol | SMSLA/GM/SOP/02 | mg/100g | 180.24 | -- |
| Trace Metal Elements | | | | | |
| 103 | Arsenic | SMSLA/IS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 1.1 |
| 104 | Lead | SMSLA/IS/SOP/02 | mg/kg | BLQ(LOQ:0.01) | NMT 0.02 |
| 105 | Methyl Mercury [Calculated as Element] | SMSLA/IS/SOP/02 | mg/kg | BLQ(LOQ:0.1) | NMT 0.25 |
| 106 | Sodium | SMSLA/IS/SOP/05 | mg/kg | BLQ(LOQ:5.0) | -- |

Note: <10Cfu/g can be taken as absent in 1:10 dilution. cfu-colony forming unit.

BLQ: Below Limit of Quantification; LOQ: Limit of Quantification. NMT: Not more than. NLT: Not less than.

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

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


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