

Test Report No: CERT2026020690\_AA

Order No: 2026020690

ULR No: TC1262626001015746F



TC12626



## Test Report

|                                        |                                                                |                           |            |
|----------------------------------------|----------------------------------------------------------------|---------------------------|------------|
| Product Classification                 | Cereals and Cereal Products                                    |                           |            |
| Customer Name                          | ITC Limited- Maruthi Sevanagar                                 |                           |            |
| Address                                | No. 18, Banaswadi Main Road, Maruthisevanagar 560005 Bangalore |                           |            |
| Sample Reference Name                  | Samba Rava, Mfg. Date: 02.07.2026, Exp. Date: 29.10.2026       |                           |            |
| Date of Receipt                        | 06-07-2026                                                     |                           |            |
| Date of Registration                   | 06-07-2026                                                     | Date of Start of Analysis | 06-07-2026 |
| Date of End of Analysis                | 10-07-2026                                                     | Date of Issue of Report   | 10-07-2026 |
| Group                                  | Food & Agricultural Products                                   |                           |            |
| PO                                     | 4700410769                                                     |                           |            |
| PO Date:                               | 04.08.2025                                                     |                           |            |
| Sample Id                              | NA                                                             |                           |            |
| Invoice No., Date & Consignee Details: | NA                                                             |                           |            |
| Batch No                               | 24A10207                                                       |                           |            |
| Discipline                             | Chemical & Biological                                          |                           |            |

## Test Results

| S.No | TEST PARAMETER                                                                                  | UNIT  | RESULT        | REQUIREMENT | TEST METHOD                                                |
|------|-------------------------------------------------------------------------------------------------|-------|---------------|-------------|------------------------------------------------------------|
| 1    | Physico_Chemical Characteristics                                                                |       |               |             |                                                            |
| 1.1  | Alcoholic Acidity (with 90% alcohol) expressed as H <sub>2</sub> SO <sub>4</sub> (on dry basis) | %     | 0.08          | 0.18 max    | FSSAI Manual of Cereal and Cereal Products, Cl.03.015 2023 |
| 1.2  | Ash Insoluble in dilute HCl (on dry basis)                                                      | %     | 0.03          | 0.15 max    | IS 1009: 2023                                              |
| 1.3  | Crude Fiber (on dry basis)                                                                      | %     | 0.54          | 2.5 max     | IS 10226: 1992                                             |
| 1.4  | Moisture                                                                                        | %     | 8.97          | 14.0 max    | IS 4333 (P2): 2017                                         |
| 1.5  | Total Ash (on dry basis)                                                                        | %     | 1.32          | 2.0 max     | IS 1009: 2023                                              |
| 2    | Metals                                                                                          |       |               |             |                                                            |
| 2.1  | Arsenic as As                                                                                   | mg/kg | BLQ of 0.02   | 1.1 max     | SAIL/FOOD/MOA/017                                          |
| 2.2  | Cadmium as Cd                                                                                   | mg/kg | 0.037         | 0.2 max     | SAIL/FOOD/MOA/017                                          |
| 2.3  | Copper as Cu                                                                                    | mg/kg | 12.770        | 30.0 max    | SAIL/FOOD/MOA/017                                          |
| 2.4  | Lead as Pb                                                                                      | mg/kg | 0.121         | 0.2 max     | SAIL/FOOD/MOA/017                                          |
| 2.5  | Mercury as Hg                                                                                   | mg/kg | BLQ of 0.02   | 1.0 max     | SAIL/FOOD/MOA/017                                          |
| 2.6  | Methyl Mercury as Hg                                                                            | mg/kg | BLQ of 0.02   | 0.25 max    | SAIL/FOOD/MOA/054                                          |
| 2.7  | Tin as Sn                                                                                       | mg/kg | BLQ of 0.02   | 250.0 max   | SAIL/FOOD/MOA/017                                          |
| 3    | Mycotoxins                                                                                      |       |               |             |                                                            |
| 3.1  | Deoxynivalenol                                                                                  | µg/kg | BLQ of 200.00 | 1000 max    | ELISA,RIDASCREEN FAST DON Art No R5901 R- Biopharm         |
| 3.2  | Aflatoxin B1                                                                                    | µg/kg | BLQ of 1.00   | 10.0 max    | SAIL/FOOD/MOA/001                                          |
| 3.3  | Ochratoxin A                                                                                    | µg/kg | BLQ of 2.00   | 5.0 max     | SAIL/FOOD/MOA/027                                          |
| 3.4  | Total Aflatoxins (B1, B2, G1, G2)                                                               | µg/kg | BLQ of 1.00   | 15.0 max    | SAIL/FOOD/MOA/001                                          |
| 4    | Other Contaminants                                                                              |       |               |             |                                                            |
| 4.1  | Melamine                                                                                        | mg/kg | BLQ of 0.050  | 2.5 max     | SAIL/FOOD/MOA/115                                          |
| 4.2  | Uric Acid                                                                                       | mg/kg | BLQ of 5.00   | 100.0 max   | IS 4333 (Part 5): 1970                                     |
| 5    | Pesticides Residues                                                                             |       |               |             |                                                            |
| 5.1  | 2,4 Dichlorophenoxy Acetic Acid                                                                 | mg/kg | BLQ of 0.008  | 0.01 max    | SAIL/FOOD/MOA/103                                          |
| 5.2  | Azoxystrobin                                                                                    | mg/kg | BLQ of 0.008  | 0.2 max     | SAIL/FOOD/MOA/103                                          |
| 5.3  | Bitertanol                                                                                      | mg/kg | BLQ of 0.008  | 0.05 max    | SAIL/FOOD/MOA/103                                          |
| 5.4  | Carbaryl                                                                                        | mg/kg | BLQ of 0.008  | 0.01 max    | SAIL/FOOD/MOA/103                                          |
| 5.5  | Carbendazim                                                                                     | mg/kg | BLQ of 0.008  | 0.1 max     | SAIL/FOOD/MOA/103                                          |
| 5.6  | Carbofuran (sum of carbofuran and 3- hydroxy carbofuran expressed as carbofuran)                | mg/kg | BLQ of 0.008  | 0.03 max    | SAIL/FOOD/MOA/103                                          |
| 5.7  | Carfentrazone-ethyl                                                                             | mg/kg | BLQ of 0.008  | 0.01 max    | SAIL/FOOD/MOA/103                                          |
| 5.8  | Chlorimuron-ethyl                                                                               | mg/kg | BLQ of 0.008  | 0.05 max    | SAIL/FOOD/MOA/103                                          |

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|------|-------------------------------------------------------------------------------------------------------------------|-------|--------------|----------|-------------------|
| 5.9  | Chlorpyrifos                                                                                                      | mg/kg | BLQ of 0.008 | 0.01 max | SAIL/FOOD/MOA/103 |
| 5.10 | Clodinafop-propargyl                                                                                              | mg/kg | BLQ of 0.008 | 0.1 max  | SAIL/FOOD/MOA/103 |
| 5.11 | Cypermethrin (sum of isomers)                                                                                     | mg/kg | BLQ of 0.008 | 0.01 max | SAIL/FOOD/MOA/103 |
| 5.12 | Deltamethrin (Decamethrin)                                                                                        | mg/kg | BLQ of 0.008 | 0.2 max  | SAIL/FOOD/MOA/103 |
| 5.13 | Dichlorvos                                                                                                        | mg/kg | BLQ of 0.008 | 0.25 max | SAIL/FOOD/MOA/103 |
| 5.14 | Diclofop (sum of Diclofop-methyl and Diclofop acid expressed as Diclofop-methyl)                                  | mg/kg | BLQ of 0.008 | 0.1 max  | SAIL/FOOD/MOA/103 |
| 5.15 | Difenoconazole                                                                                                    | mg/kg | BLQ of 0.008 | 0.01 max | SAIL/FOOD/MOA/103 |
| 5.16 | Dithiocarbamates as CS2 (Total of Ziram, Zineb, Nabam, Mancozeb, Maneb, Ferbam, Metiram, Thiram, Propineb, Metam) | mg/kg | BLQ of 0.010 | 0.05 max | SAIL/FOOD/MOA/103 |
| 5.17 | Epoxyconazole                                                                                                     | mg/kg | BLQ of 0.008 | 0.01 max | SAIL/FOOD/MOA/103 |
| 5.18 | Ethion (Residues to be determined as Ethion and its oxygen analogue expressed as Ethion)                          | mg/kg | BLQ of 0.008 | 0.01 max | SAIL/FOOD/MOA/103 |
| 5.19 | Fenoxaprop-P-ethyl                                                                                                | mg/kg | BLQ of 0.008 | 0.02 max | SAIL/FOOD/MOA/103 |
| 5.20 | Fipronil                                                                                                          | mg/kg | BLQ of 0.008 | 0.01 max | SAIL/FOOD/MOA/103 |
| 5.21 | Iodosulfuron Methyl Sodium                                                                                        | mg/kg | BLQ of 0.008 | 0.01 max | SAIL/FOOD/MOA/103 |
| 5.22 | Isoproturon                                                                                                       | mg/kg | BLQ of 0.008 | 0.1 max  | SAIL/FOOD/MOA/103 |
| 5.23 | Kresoxim Methyl                                                                                                   | mg/kg | BLQ of 0.008 | 0.05 max | SAIL/FOOD/MOA/103 |
| 5.24 | Malathion (Malathion to be Determined and expressed as Combined Residues of Malathion and Malaoxon)               | mg/kg | BLQ of 0.008 | 1.0 max  | SAIL/FOOD/MOA/103 |
| 5.25 | Mesosulfuron-methyl                                                                                               | mg/kg | BLQ of 0.008 | 0.01 max | SAIL/FOOD/MOA/103 |
| 5.26 | Methabenzthiazuron                                                                                                | mg/kg | BLQ of 0.008 | 0.5 max  | SAIL/FOOD/MOA/103 |
| 5.27 | Methyl Chlorophenoxy Acetic Acid (MCPA)                                                                           | mg/kg | BLQ of 0.008 | 0.2 max  | SAIL/FOOD/MOA/103 |
| 5.28 | Metribuzin                                                                                                        | mg/kg | BLQ of 0.008 | 0.03 max | SAIL/FOOD/MOA/103 |
| 5.29 | Metsulfuron-Methyl                                                                                                | mg/kg | BLQ of 0.008 | 0.1 max  | SAIL/FOOD/MOA/103 |
| 5.30 | Monocrotophos                                                                                                     | mg/kg | BLQ of 0.008 | 0.01 max | SAIL/FOOD/MOA/103 |
| 5.31 | Oxydemeton Methyl                                                                                                 | mg/kg | BLQ of 0.008 | 0.02 max | SAIL/FOOD/MOA/103 |
| 5.32 | Paraquat Dichloride (determined as Paraquat cations)                                                              | mg/kg | BLQ of 0.008 | 0.03 max | SAIL/FOOD/MOA/103 |
| 5.33 | Pendimethalin                                                                                                     | mg/kg | BLQ of 0.008 | 0.05 max | SAIL/FOOD/MOA/103 |
| 5.34 | Phenthoate                                                                                                        | mg/kg | BLQ of 0.008 | 0.01 max | SAIL/FOOD/MOA/103 |
| 5.35 | Phorate (sum of Phorate, its oxygen analogue and their sulfoxides and sulphones, expressed as phorate)            | mg/kg | BLQ of 0.008 | 0.01 max | SAIL/FOOD/MOA/103 |
| 5.36 | Picoxystrobin                                                                                                     | mg/kg | BLQ of 0.008 | 0.05 max | SAIL/FOOD/MOA/103 |
| 5.37 | Pinoxaden                                                                                                         | mg/kg | BLQ of 0.008 | 0.7 max  | SAIL/FOOD/MOA/103 |
| 5.38 | Pirimiphos Methyl                                                                                                 | mg/kg | BLQ of 0.008 | 1.0 max  | SAIL/FOOD/MOA/103 |
| 5.39 | Propiconazole (sum of isomers)                                                                                    | mg/kg | BLQ of 0.008 | 0.05 max | SAIL/FOOD/MOA/103 |
| 5.40 | Pyraclostrobin                                                                                                    | mg/kg | BLQ of 0.008 | 0.01 max | SAIL/FOOD/MOA/103 |
| 5.41 | Sulfosulfuron                                                                                                     | mg/kg | BLQ of 0.008 | 0.02 max | SAIL/FOOD/MOA/103 |
| 5.42 | Sum of Benomyl and Carbendazim expressed as Carbendazim                                                           | mg/kg | BLQ of 0.008 | 0.1 max  | SAIL/FOOD/MOA/103 |
| 5.43 | Tebuconazole                                                                                                      | mg/kg | BLQ of 0.008 | 0.05 max | SAIL/FOOD/MOA/103 |
| 5.44 | Thiamethoxam                                                                                                      | mg/kg | BLQ of 0.008 | 0.05 max | SAIL/FOOD/MOA/103 |
| 5.45 | Thiometon (residues determined as Thiometon its sulfoxide and sulphone expressed as Thiometon)                    | mg/kg | BLQ of 0.008 | 0.01 max | SAIL/FOOD/MOA/103 |
| 5.46 | Thiophanate-methyl                                                                                                | mg/kg | BLQ of 0.008 | 0.03 max | SAIL/FOOD/MOA/103 |
| 5.47 | Triadimefon                                                                                                       | mg/kg | BLQ of 0.008 | 0.5 max  | SAIL/FOOD/MOA/103 |
| 5.48 | Triallate                                                                                                         | mg/kg | BLQ of 0.008 | 0.05 max | SAIL/FOOD/MOA/103 |
| 5.49 | Triasulfuron                                                                                                      | mg/kg | BLQ of 0.008 | 0.01 max | SAIL/FOOD/MOA/103 |
| 5.50 | Trichlorfon                                                                                                       | mg/kg | BLQ of 0.008 | 0.01 max | SAIL/FOOD/MOA/103 |
| 5.51 | Tridemorph                                                                                                        | mg/kg | BLQ of 0.008 | 0.1 max  | SAIL/FOOD/MOA/103 |

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| 5.52 | Trifloxystrobin | mg/kg | BLQ of 0.008 | 0.2 max | SAIL/FOOD/MOA/103 |
| 5.53 | Trifluralin     | mg/kg | BLQ of 0.008 | 0.1 max | SAIL/FOOD/MOA/103 |

SHIVA

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| S.No | TEST PARAMETER         | UNIT | RESULT | REQUIREMENT   | TEST METHOD                 |
|------|------------------------|------|--------|---------------|-----------------------------|
| 6    | Microbiology           |      |        |               |                             |
| 6.1  | E.coli O157            | /25g | Absent | Not specified | IS 16426:2017               |
| 6.2  | Listeria monocytogenes | /25g | Absent | Absent        | IS 14988(Part 1):2020       |
| 6.3  | Salmonella             | /25g | Absent | Absent        | IS 5887(Part 3/Sec1 ): 2020 |
| 6.4  | Vibrio cholerae        | /25g | Absent | Not specified | IS 5887(Part 5/Sec1 ): 2023 |

## Remarks :

- BLQ- Below Limit of Quantification

- The above mentioned sample was found to be fit for analysis wrt the Visual and Organoleptic Attributes and conforms to the FSSR 2011 requirements wrt the specified parameters only, wherever applicable

## Terms And Conditions

| S.No | Description                                                                                                                                                                                          |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | The results reported above pertains only to the tested sample and applicable parameters, where the Laboratory has not performed the Sampling.                                                        |
| 2    | Samples which are degradable will be disposed immediately after testing and others will be disposed after one month from the date of issue of test certificate unless otherwise specified.           |
| 3    | Total liability of our laboratory is limited to the invoiced amount.                                                                                                                                 |
| 4    | This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without prior written permission. |
| 5    | In case any reconfirmation of contents of this test certificate is required, please contact our office.                                                                                              |
| 6    | Sampling is not done by us unless specified.                                                                                                                                                         |
| 7    | Any discrepancy in the Test Certificate should be notified within 30 days.                                                                                                                           |

Authorised Signatory

Assistant Manager - Microbiology

Parthasarathy L



Authorised Signatory

Technical Manager - Food

Raviteja M



-----End of Report-----