

ULR NO: TC1299626000014508F

Date: 25/03/2026

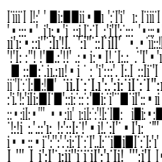
Sample ID No. : NAL/202603FR00002736  
 Discipline / Group : Chemical / Food & Agricultural Products  
 Name of the Customer : CHRISTY FRIEDGRAM INDUSTRY PRIVATE LIMITED  
 Address : A-2, A-3, SIDCO Industrial Estate, Andipalayam(Po),  
 Tiruchengode - 637 214,Namakkal.

Sample Described by the Customer : SATHU MAVU (6M - 2Y)  
 Batch No\* : FEBRUARY - 26 -01 (W-249, W-250, W-251, E-252, ~~W~~ ~~E~~ 253, W-254, W-~~254~~ 255)  
 Quantity Of the Sample Received : 1 Kg  
 Information about Sampling : Submitted by customer  
 Customer Reference : By Letter Dated.16/03/2026  
 Date of Sample Receipt : 17/03/2026  
 Date of test Starting : 17/03/2026  
 Date of test Completed : 24/03/2026

| S.No | TEST PROTOCOL               | TEST PRTOCOL          | UNIT    | TEST RESULTS                                                                                                                        | LIMITS AS PER IS<br>11536 : 2022 (Amd 1<br>:2022) |
|------|-----------------------------|-----------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| 1    | Description                 | IS 11536 : 2022       | -       | Uniform fine texture<br>with homogeneously<br>mixed.it should be free<br>from lumpsunpleasant<br>odour and any<br>extraneous matter | -                                                 |
| 2    | Artificial Sweetener        | IS 11536 : 2022       | -       | Absent                                                                                                                              | -                                                 |
| 3    | Synthetic colour            | IS 11536 : 2022       | -       | Absent                                                                                                                              | -                                                 |
| 4    | Sodium Content              | IS 12760: 2012        | mg/100g | 11.45                                                                                                                               | Max 100                                           |
| 5    | Moisture                    | IS 16072 : 2012       | g/100g  | 2.34                                                                                                                                | Max 5.0                                           |
| 6    | Total Protein (N X 6.25)    | IS 7219 : 1973        | g/100g  | 17.89                                                                                                                               | Min 15.0                                          |
| 7    | Total Ash                   | IS 14433 : 2022       | g/100g  | 3.36                                                                                                                                | Max 5.0                                           |
| 8    | Ash insoluble in dilute HCl | IS 14433 : 2022       | g/100g  | 0.06                                                                                                                                | Max 0.10                                          |
| 9    | Crude Fibre (on dry basis)  | IS 10226 (Part - 1) : | g/100g  | 0.41                                                                                                                                | Max 1.0                                           |

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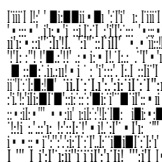
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|------|--------------------------------------|---------------------------------------|-----------|---------------|---------------------------------------------------|
|      |                                      | 1982                                  |           |               |                                                   |
| 10   | Total Fat                            | IS 11721 : 2013                       | g/100g    | 4.16          | Max 7.50                                          |
| 11   | Total carbohydrate                   | IS 1656 : 2022                        | g/100g    | 72.25         | Min 55.0                                          |
| 12   | Iron as Fe                           | ISO 15151 : 2018                      | mg/100 g  | 4.01          | 2.00- 5.65                                        |
| 13   | Vitamin A (as Retinol equivalent RE) | IS 16639 : 2018                       | µg //100g | 425           | 350.00 - 823.00                                   |
| 14   | Thiamin                              | IS 17669 : 2021                       | mg/100 g  | 0.34          | 0.20 - 0.50                                       |
| 15   | Riboflavin                           | IS 17669 : 2021                       | mg/100 g  | 1.1           | 0.40 - 2.00                                       |
| 16   | Niacin equivalent                    | IS 17669 : 2021                       | mg/100 g  | 6.3           | 3.80 - 9.90                                       |
| 17   | Vitamin C                            | IS 17176 : 2019                       | mg/100 g  | 49.1          | 25.00 - 75.00                                     |
| 18   | Vitamin D                            | IS 17177 : 2019                       | µg/100 g  | 8.4           | 5.00 - 14.00                                      |
| 19   | Pantothenic acid                     | IS 16642 : 2018                       | mg/100 g  | 4.8           | 2.00 - 10.00                                      |
| 20   | Pyridoxine                           | IS 17669 : 2021                       | µg/100 g  | 224           | 100.00 - 400.00                                   |
| 21   | Biotin                               | IS 17670 : 2021                       | µg/100 g  | 21.4          | 7.50-50.0                                         |
| 22   | Dietary folate equivalent (DFE)      | AOAC 2013.13 : 2023                   | µg/100 g  | 23.9          | 15.00 - 50.00                                     |
| 23   | Vitamin B12                          | IS 16640 : 2018                       | µg/100 g  | 0.36          | 0.25-0.70                                         |
| 24   | Zinc as Zn                           | ISO 15151 : 2018                      | mg/100 g  | 3.89          | 2.50 - 5.90                                       |
| 25   | Choline                              | IS 17668 : 2021                       | mg /100 g | 34.8          | Min 32.00                                         |
| 26   | Inositol                             | IS 16649 : 2018                       | mg/100 g  | 48.5          | 20.00 - 200.00                                    |
| 27   | Selenium as Se                       | ISO 15151 : 2018                      | µg/100 g  | 20.35         | 5.00 - 40.00                                      |
| 28   | Lead as Pb                           | AOAC (22nd Edition)<br>2023 : 2013.06 | mg/kg     | BLQ[LOQ-0.05] | Max 0.2                                           |
| 29   | Copper as Cu                         | IS 15151 : 2018                       | mg/kg     | 4.85          | 2.8 to 15.0                                       |
| 30   | Arsenic as As                        | AOAC (22nd Edition)<br>2023 : 2013.06 | mg/kg     | BLQ[LOQ-0.05] | Max 0.05                                          |
| 31   | Tin as Sn                            | ISO 14377 : 2002                      | mg/kg     | BLQ[LOQ-0.10] | Max 5.0                                           |
| 32   | Cadmium as Cd                        | AOAC (22nd Edition)<br>2023 : 2013.06 | mg/kg     | BLQ[LOQ-0.05] | Max 0.1                                           |

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|------|-----------------|-------------------|-------|---------------|---------------------------------------------|
| 33   | Melamine        | IS 16195 : 2014   | mg/kg | BLQ[LOQ-0.05] | Max 2.5                                     |
| 34   | Total aflatoxin | IS 16287: 2015    | µg/kg | BLQ[LOQ-0.5]  | Max 15.0                                    |
| 35   | Aflatoxin B1    | NAL/INS/SOP/LC001 | µg/kg | BLQ[LOQ-0.5]  | Max 10.0                                    |

Table 2 Microbiological Requirements

|    |                                            |                   |         |        |             |
|----|--------------------------------------------|-------------------|---------|--------|-------------|
| 36 | Aerobic microbial plate count              | IS 5402-1:2021    | Cfu/g   | 400    | Max 1000    |
| 37 | Coliform count                             | IS 5401 -1:2012   | Cfu/g   | <10    | <10/g       |
| 38 | Staphylococcus aureus (coagulase positive) | IS 5887-2:1976    | Cfu/g   | <10    | <10/g       |
| 39 | Yeast and mould count                      | IS 5403:1999      | Cfu/g   | <10    | <10/g       |
| 40 | Salmonella spp.                            | IS 5887-3:2020    | Per 25g | Absent | Absent/25 g |
| 41 | Listeria monocytogenes                     | IS 14988-1:2020   | Per 25g | Absent | Absent/25 g |
| 42 | Bacillus cereus                            | IS 5887 -6:2012   | Cfu/g   | <10    | Max 100     |
| 43 | Sulphite reducing clostridia               | ISO 15213 -1:2023 | Cfu/g   | <10    | 10/g        |
| 44 | Escherichia coli                           | IS 5887 -1:1976   | Per g   | Absent | Absent/g    |
| 45 | Vibrio cholerae                            | IS 5887-5:1976    | Per 25g | Absent | Absent/25 g |
| 46 | Vibrio parahaemolyticus                    | IS 5887-5:1976    | Per 25g | Absent | Absent/25 g |

**Disclaimer:**

All the above test parameters are carried out with the sample "as received condition". The results relate only to the items tested. This report is valid strictly for the sample submitted for analysis to NAWaL Analytical Labs India Private Limited and shall not be under any circumstance extrapolated to any other product(s) made out of this sample. NAWaL Analytical Labs India Private Limited is not responsible for any deterioration/ deviation in quality or quantity of the product due to the nature of the product or during transit.

**Note :** \* Detail provided by the Customer. The information provided by customer may affect the validity of test result

Below BLQ Limit of Quantification, LOQ- Limit of Quantification

For NAWaL Analytical Labs India Private Limited

Verified by  
S.Elamathi  
Deputy Technical Manager

Authorized Signatory  
Dr.V A Shanmugaselvan  
VP (Operations)

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

