

**FORM B**  
**REPORT OF THE FOOD ANALYST**  
*(Refer Regulation (2) of 2.3.1)*

**Report No.79/2014-'15**

Certified that I, **S.T.THANKACHAN** duly appointed under the provisions of Food Safety and Standards Act, 2006 (34 of 2006), for all the Local Areas of the State have received from, **Food Safety Officer, Karunagappally Circle** a sample of **Jcerakam (ജൂറാക്കം)** (sample collected from Puthiyacavu) bearing **Code No. 022** and **Serial Number (not mentioned in the Form VI memorandum) of the Designated Officer, Kollam District on Twenty eighth day of October 2014** by courier for analysis.

The condition of seals on the container and the outer covering on receipt was as follows:-

The seals fixed on the container and the outer cover of the sample tallied with the specimen impression of the seal sent separately with a copy of memorandum in a sealed cover by the Food Safety Officer. The seals are found correct and intact.

I found the sample to be **Cumin seed** falling under **regulation No. 2.9.8:1** of Food Safety and Standards (Food Products and Food Additives) Regulations 2011. The sample was in a condition fit for analysis and has been analysed on **29.10.2014** and completed on **06.11.2014** and the result of its analysis is given below /~~was not in a condition fit for analysis for the reason given below:~~

Reasons:

**Analysis Report**

- i) Sample Description : The sample received in plastic cover
- (ii) Physical appearance : The sample consists of cumin seeds
- (iii) Label declaration : No Company Label

| Sl. No. | Quality Characteristics | Name of the method of the test used | Result                     | Prescribed Standards as per<br>✓ Food Safety and<br>Standards (Food Products<br>Standards and Food Additives)<br>Regulations 2011<br>(2.9.8:1)<br>(b)Label declaration for<br>proprietary food.<br>(c)provisions of the Act, Rules and<br>Regulations for both the above<br>(5) |
|---------|-------------------------|-------------------------------------|----------------------------|---|
| (1)     | (2)                     | (3)                                 | (4)                        |   |
| 1.      | Moisture                | IS:1797:1985                        | 11.74 percent<br>by weight | Not more than 10.0 percent by<br>weight   |
| 2.      | Mould growth            | IS:2447:1993                        | Absent                     | Shall be absent   |
| 3.      | Extraneous matter       | IS:1797:1985                        | Absent                     | Not more than 3.0 percent by weight   |

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|     |  |              |               |                                      |
|-----|--|--------------|---------------|--------------------------------------|
| 4.  | Broken fruits                            | IS:1797:1985 | Absent        | Not more than 5.0 percent by weight  |
| 5.  | Edible seeds other than cumin seeds      | IS:1797:1985 | Absent        | Shall be absent                      |
| 6.  | Rodent contamination                     | IS:2447:1993 | Absent        | Shall be absent                      |
| 7.  | Added colouring matter                   | DGHS Method  | Absent        | Shall be absent                      |
| 8.  | Dead/Living insects, insect fragments    | IS:2447:1993 | Absent        | Shall be absent                      |
| 9.  | Insect Damaged matter                    | IS:1797:1985 | Absent        | Not more than 1.0 percent by weight  |
| 10. | Total ash on dry basis                   | IS:1797:1985 | 11.70 percent | Not more than 9.5 percent by weight  |
| 11. | Ash insoluble in dilute HCl on dry basis | IS:1797:1985 | 0.31 percent  | Not more than 3.0 percent by weight  |
| 12. | Volatile oil content on dry basis        | IS:1797:1985 | 3.56 percent  | Not less than 1.5 percent by v/w     |
| 13. | Non-volatile ether extract on dry basis  | IS:1797:1985 | 11.07 percent | Not less than 15.0 percent by weight |

**Opinion:** The said sample does not conform to the standard prescribed for Cumin (Zeera) whole falling under regulation 2.9.8.1 of Food Safety and Standards (Food Product Standards and Food Additives) Regulations, 2011 and is therefore **Substandard** under section 3(1) (zx) of Food Safety and Standards Act 2006.

**Signed this:** Sixth day of November 2014.



**S.T. THANKACHAN**  
Food Analyst

To

The Designated Officer,  
Office of the Designated Officer,  
T. B. Center I<sup>st</sup> Floor,  
Kollam - 691001.

**Note:** The test report relates to the received part of the sample only

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