

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

Report No. 373

Certified that I **M. MONI** (name of Food Analyst) duly appointed under the provisions of Food Safety and Standards Act, 2006 (34 of 2006), for **Malampuzha circle** (name of the local area) have received from the **Food Safety Officer, Malampuzha circle** a sample of **Rice Bran Refined oil** bearing Code number **5525** of Designated Officer of **Palakkad area\*** on **Twenty fifth day of September 2015** (date of receipt of sample) by hand for analysis.

The condition of seals on the container and the outer covering on receipt was as follows:-  
The seal found correct and intact.

I found the sample to be **Rice Bran Refined oil** (category of the sample) falling under Regulation **2.2.1:23** of Food Safety and Standards (Food Products Standards and Food Additives) Regulations, 2011. The sample \*\*was in a condition fit for analysis and has been analysed on **25.09.15 – 26.09.15** (give date of starting and completion of analysis) and the result of its analysis is given below/ ~~was not in a condition fit for analysis for the reason given below:~~

Reasons: Nil

(i) Sample Description : The sample received in a plastic bottle tied with twine and sealed.

(ii) Physical Appearance: The sample consists of brown coloured oil.

(iii) Label: No company label.

Sl. No.	Quality characteristics	Nature of method of test used	Result	Prescribed standards as per Regulation 2.2.1:23 of (a) Food Safety and Standards (Food Products Standards & Food Additives) Regulations, 2011 and
1	Refractive Index at 40°C	IS 548 Part I 1964 (Reaffirmed 2010)	1.4663	1.4600 – 1.4700
2	Butyro- refractometer reading at 40°C	IS 548 Part I 1964 (Reaffirmed 2010)	60.6	51.0 – 66.4
3	Iodine value	IS 548 Part I 1964 (Reaffirmed 2010)	92.9	90 - 105
4	Saponification value	IS 548 Part I 1964 (Reaffirmed 2010)	187.1	180 - 195
5	Moisture and volatile matter	IS 548 Part I 1964 (Reaffirmed 2010)	0.04 percent by weight	Not more than 0.1 percent by weight
6	Acid value	IS 548 Part I 1964 (Reaffirmed 2010)	0.6	Not more than 0.5
7	Test for added colouring matter	DGHS Method	Negative	Shall be negative
8	Baudouin test	IS 548 Part II 1976 (Reaffirmed 2010)	Negative	Shall be negative
9	Halphen's test	IS 548 Part II 1976 (Reaffirmed 2010)	Negative	Shall be negative
10	Test for mineral oil (TLC method)	IS 548 Part II 1976 (Reaffirmed 2010)	Negative	Shall be negative
11	Unsaponifiable matter, percent by weight	DGHS Method	2.8 percent	Not more than 3.5 percent for a) chemically refined and b) not more than 4.5 percent for physically refined
12	Test for argemone oil	DGHS Method	Negative	Shall be negative

Note: 1. The test report relates to the received sample only.

2. Fatty acid profile and Oryzanol content not detected due to the lack of GC and GCMS instruments.

Opinion\*\*\*: The said sample does not conform to the standards prescribed for Rice bran Refined Oil falling under Regulation 2.2.1:23 of Food Safety and Standards (Food Products Standards & Food Additives) Regulations, 2011 and is therefore sub-standard.

Signed this: Twenty ninth day of September 2015.

Address:

The Designated Officer,  
Palakkad.



*[Handwritten signature]*