

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: RICE BRAN OIL, REFINED**

**BOMAR BATCH : P0586** (LOT0009794)

**PRODUCT INCI: ORYZA SATIVA BRAN OIL**

**PRODUCT CODE: K0380**

**CAS NUMBER: 68553-81-1**

**EINECS NUMBER: 271-397-8**

**MANUFACTURING METHOD: EXPELLER PRESSED & REFINED**

**MANUFACTURING DATE: 22/06/2021**

**BEST BEFORE DATE: 22/06/2023**

| ANALYTICAL DETAILS           | RANGE %              | RESULTS   |
|------------------------------|----------------------|-----------|
| APPEARANCE                   | OILY LIQUID          | -         |
| COLOUR                       | CLEAR - LIGHT YELLOW | -         |
| COLOUR (LOVIBOND)            | <30.0Y, <2.5R        | 27Y, 1.7R |
| ODOUR                        | ODOURLESS            | -         |
| SPECIFIC GRAVITY @ 20°C      | 0.915 – 0.923        | 0.916     |
| REFRACTIVE INDEX @ 20°C      | 1.468 – 1.475        | 1.470     |
| SAPONIFICATION VALUE         | 180.0 – 195.0        | 192       |
| UNSATURIFIABLE MATTER        | <3.0                 | 0.5       |
| FREE FATTY ACID (% AS OLEIC) | <0.5                 | 0.1       |
| PEROXIDE VALUE               | <10.0                | 0.8       |
| IODINE VALUE                 | 100 - 110            | 107       |

| FATTY ACID PROFILE |                  | RANGE %     | RESULTS |
|--------------------|------------------|-------------|---------|
| <b>C-CHAIN</b>     | <b>ACID NAME</b> |             |         |
| C16:0              | PALMITIC         | 12.0 – 18.0 | 16.2    |
| C18:0              | STEARIC          | 1.0 - 4.0   | 2.3     |
| C18:1              | OLEIC            | 40.0 – 50.0 | 43.0    |
| C18:2              | LINOLEIC         | 30.0 – 40.0 | 36.0    |
| C18:3              | ALPHA LINOLENIC  | <2.0        | 1.2     |
| C20:0              | ARACHIDIC        | <1.0        | 0.1     |

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