



Shay and Company

Supplier of Wholesale Oils, Butters, Waxes, Candle Supplies and Essential Oils

Rice Bran Oil, RBDW

Lot#51502

Country of Origin: India

Manufacture Date: 02/2022

Expiration Date: 02/2025

Ingredient Name (INCI): Oryza Sativa (Rice Bran Oil)

Ingredient Composition: 100% Rice Bran Oil

CAS no: 68553-81-1

Packaging: Drums, Pails, Buckets

Description: Amber to brown liquid, oily, almost odorless. Characteristic bland taste.

Applications: Skincare, Soap Manufacturing

Certificates: Kosher, non-GMO

Method of Extraction: Solvent Extracted

Residual Solvents: Hexane- Less than 2ppm in finished product

Plant Part Used: Rice Kernel

Vegan: Yes

Gluten Free: Yes

Allergen: Rice bran is derived from rice. The oil meets the FDA's criteria as a highly refined oil and is exempt as a major food allergen.

Food Grade: Yes

Saponification Value: 180-190

Flash Point: >300°C/572°F

Boiling Point: No data

Refined, bleached and deodorized: Yes

Prop 65: No

| Property/Analysis | Result | Range/Limit | UOM | Test Method |
|-------------------------------|--------|---------------|----------|--------------------|
| Color Lovibond Red | 1.46 | Max 2.0 | | AOCS Cc 13B-45 |
| Moisture and Impurities | 0.035 | Max 0.1 | % | AOCS Cc 2c-25 |
| Free Fatty Acid Value | 0.04 | Max 0.2 | % | AOCS Aa 6-38 |
| Iodine Value | 100.45 | 99-110 | g l/100g | AOCS Cd 1c-85 (97) |
| Peroxide Value | 0.52 | Max 10.00 | mEq/kg | AOCS Cd 8-53 |
| Solidification of Fatty Acids | Pass | 20-25 | Celcius | AOCS Cc 12-59 |
| Cold Test @ 5° C, min 5 hours | Pass | Remains Clear | | AOCS Cc 11-53 |

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| Fatty Acid Composition | Result | Range/Limit | UOM | Test Method |
|-------------------------------|---------------|--------------------|------------|--------------------|
| Myristic Acid C14:0 | 0.23 | Max 1.0 | % | AOCS Ce 1b-89 |
| Palmitic Acid C16:0 | 15.33 | 12.0 - 18.0 | % | AOCS Ce 1b-89 |
| Stearic Acid C18:0 | 2.37 | 0.5 - 3.0 | % | AOCS Ce 1b-89 |
| Oleic Acid C18:1 | 44.16 | 40.0 - 50.0 | % | AOCS Ce 1b-89 |
| Linolic Acid C18:2 | 34.64 | 29.0 - 42.0 | % | AOCS Ce 1b-89 |
| Linolenic Acid C18:3 | 0.95 | Max 2.0 | % | AOCS Ce 1b-89 |

Shelf life is guaranteed for three years from time of manufacture when stored in original, unopened container between 59° F to 86°F and protected from light. Shay and Company diligently sources and provides the highest quality ingredients, but it is the customer's responsibility to ensure the products purchase from Shay and Company meets their expectations. Any additional testing will be the responsibility of the customer.

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