

Product Data Sheet

Rice Bran Fatty Acid (Rice Bran Acid Oil)

Description

Description	Rice Bran Fatty Acid (also known as Rice Bran Acid Oil) is a by-product obtained from the refining of crude rice bran oil, consisting primarily of free fatty acids (oleic, linoleic and palmitic) along with minor unsaponifiable matter. It is used as an oleochemical feedstock, animal feed energy additive and soap-making raw material.
Applications	Soap and oleochemical feedstock manufacturing Animal feed energy supplement Biodiesel (FAME) production Industrial fatty acid derivative synthesis
Grade	Industrial Grade, Min. 85% Free Fatty Acid
CAS No.	Mixture – no single CAS (primary components: oleic, linoleic, palmitic fatty acids ex. rice bran oil)

Key Benefits

1. Cost-effective fatty acid feedstock derived from a rice-processing by-product
2. Balanced oleic/linoleic/palmitic fatty acid profile suited to soap and oleochemical use
3. Useful energy-dense additive for animal feed formulations
4. Viable feedstock for biodiesel (FAME) production
5. Supports circular/by-product utilisation from rice milling operations

Chemical Analysis & Physical Data

Typical Specification

Parameter	Unit	Specification
Free Fatty Acid (as Oleic)	wt%	Min. 85.0 (typical 85–90)
Moisture & Impurities (M&I)	wt%	Max. 2.0
Iodine Value	g I2/100g	90 – 100
Saponification Value	mg KOH/g	180 – 195
Unsaponifiable Matter	wt%	Max. 3.0
Colour (Gardner)	–	Dark – typical for acid oil grade
Appearance	–	Dark brown viscous liquid

Packaging

Packaging 200 kg (Net) Steel Drums
Flexitank / ISO Tank for bulk liquid shipment
Custom packaging available on request.

Storage & Handling

1. Store in a cool, dry, covered area away from direct sunlight
2. Keep containers/tanks closed to minimise oxidation and odour development
3. Avoid prolonged storage at elevated temperatures to limit colour darkening
4. Product may thicken at low temperatures – warm gently before pumping/transfer if required
5. Use appropriate PPE (gloves, goggles) when handling

Quality Assurance

1. Every batch is tested against the specification above before dispatch

2. A batch-specific Certificate of Analysis (COA) accompanies each shipment, reporting FFA, iodine value and M&I against this TDS
3. COA available on request prior to shipment for buyer pre-approval
4. Third-party inspection (SGS/Intertek) can be arranged on request for regulated-market shipments

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. A batch-specific Certificate of Analysis (COA) is available on request for each shipment.