NAGDEV PRODUCTS

**OFFICIAL TECHNICAL DATA SHEET**

**Document Ref:** NPPL-TDS-15
**Brand:** NDEVACID™ DCO-FA
**Origin:** North Gujarat Castor Belt, India

# Dehydrated Castor Oil Fatty Acid (DCO-FA)

**CASTOR OIL DERIVATIVES · PROPRIETARY GRADE: NDEVACID™ DCO-FA**

| | | | |
|---|---|---|---|
| CAS Number: | 61789-45-5 | HS Tariff Code: | 3823.19 |
| Physical Form: | Liquid | Typical Colour: | Pale Yellow |
| Feedstock / Raw Material: | Dehydrated Castor Oil (DCO) | Shelf Life: | 12-18 months |
| Commercial Status: | Regular Supply | Quality System: | In-house plant QA testing with COA per lot |

## TYPICAL SPECIFICATION (INDICATIVE)

| SR. NO. | TEST PARAMETER | SPECIFICATION |
|---|---|---|
| 1 | Appearance | Pale yellow liquid |
| 2 | Acid Value, mg KOH/g | 195 – 205 |
| 3 | Specific Gravity at 20°C | 0.903 – 0.905 |
| 4 | Iodine Value, g $I_2$/100g | 130 Min |
| 5 | Hydroxyl Value, mg KOH/g | 8 Max |
| 6 | Saponification Value, mg KOH/g | 198 – 208 |
| 7 | Refractive Index at 25°C | 1.473 – 1.477 |
| 8 | Moisture Content, % | 0.20 Max |
| 9 | Saturated Fatty Acids, % | 4.5 Max |
| 10 | Unsaturated Fatty Acids, % | 90 Min |
| 11 | Free Fatty Acid, % | 98 Min |

*Values are typical for this grade. Results for each lot are reported on its COA; specifications can be agreed per contract.*

## STANDARD PACKAGING & BULK LOGISTICS

Bulk in Tanker • Bulk in ISO Tank • Flexi Tank • 190 kg Net Stainless Steel / MS Drums • 200 kg HDPE / MS Drums • 1,000 kg IBC • Or as recommended / specified by client

## TARGET INDUSTRIAL APPLICATIONS

DCO Fatty Acid (NDEVACID™ DCO-FA) is a conjugated diene liquid fatty acid in regular commercial supply. It is used where low yellowing in baking finishes is required, including high-solids stoving enamels and epoxy ester resins, supplied from our plant at Deodar, Gujarat, with a COA per lot.

**Nagdev Products Private Limited** · Survey No. 301 P-2, Jada-Kotarwada Road, Village Sardarpura, Post Ravel, Taluka Deodar, District Vav-Tharad, Gujarat 385330, India
Email: nagdevproducts@gmail.com | Phone / WhatsApp: +91 63520 98306 | Web: www.nagdevproducts.com

*Disclaimer: The specifications above reflect typical quality values. Every shipment is accompanied by a batch Certificate of Analysis (COA). HS tariff classification is indicative; final code confirmed at time of export.*

Nagdev Products Pvt. Ltd.
Quality Assurance Laboratory