

RiFine-Ox₃

Polyglycerol Oleate

HSN: 29161500 EEC: E-475 PGO

Description

RiFine-Ox₃ is a fatty acid ester made from 100% renewable raw materials derived from plant origin. It has versatile properties that allow it to act as: an emulsifier, stabilizer, structurant, etc.

Characteristic Values*

Properties	Units	AOCS Test Method	RiFine-Ox ₃ PGO
Physical:			
Appearance	@ 25°C	Visual	Yellow Liquid
Clarity <small>molten form</small>	Gardner Tube	Visual	Clear
Color <small>molten form</small>	Gardner Scale	Visual	8 max
Moisture	%	Ca 2c-25	1 max
Viscosity <small>bubble secs</small>	@ 25°C Gardner Tube	Tq 1a-64	8 – 12
Emulsion. (5% disp. in hot water w/w)	@ 25°C	Visual	Stable
pH (pH paper)	pH Scale	Visual	7 +/- 1
Chemical:			
Acid Value	mg KOH/g	Cd 3d-63	6 max
Saponification Value	mg KOH/g	Cd 3-25	149 – 150
Iodine Value	cg I ₂ /g	Tg 1-64	85 – 95
Hydroxyl Value	mg KOH/g	Cd 13-60	300 – 400
Free Polyol	%	Cd 11b-91 (GC)	5 max
Soap as K/Na Oleate	%	RRMPL	5 – 7

*Slight variations in the characteristic values stated are possible due to production made out of natural raw materials but it shall have no influence on its application functionalities.

Packing: In Bags (net wt. 25 kgs)

Shelf Life / Storage: Shelf life is 12 months from manufacturing date when stored in a cool place (< 35°C), in tightly closed packaging, protected from dust, heat, & moisture.

Applications

Industry: Food	Key Role	Benefits
Cakes	Emulsifier	Improved Cake Batter Performance, Better Crumb-Structure/Volume/Softness
Gums	Emulsifier	Good Plasticizer for Gum base, Improves Handling & Gloss

Authorization: (sign not necessary if emailed doc.)

Approved by:	Approved by:	Approved by:
TECH: EX	MFGN: EX	MKTG: EX

The information contained in this document is based on our own research and development and is to the best of our knowledge reliable. Users should, however, conduct their own tests to determine the suitability of our products for their own specific purposes and the legal status for their intended use of the product. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for the infringement of any patents.