

Technical Data Sheet

Pamolyn™ 100 FGK Kosher Oleic Acid

Applications

- Adhesives/sealants-b&c
- Commercial printing inks
- Food ingredients
- Paints & coatings
- Polymer modification
- Protective coatings
- Soap/detergents

Key Attributes

- Excellent color stability
- Exceptionally high purity
- Food grade and Kosher tall oil fatty acid derived oleic acid
- Low odor level & uniform fatty acid composition
- Low saturated acids and unsaponifiables content
- Water-white initial color

Product Description

Pamolyn™ 100 FGK Kosher Oleic Acid is an exceptionally high purity, water white, non-animal, tall oil fatty acid derived oleic acid that is kosher approved. It also complies with regulations of the U.S. Food and Drug Administration for use in food for human consumption as specified under various sections of the Code of Federal Regulations. (See FDA status). Pamolyn™ 100 FGK Kosher Oleic Acid meets specifications in the Food Chemicals Codex for oleic acid, including those amended and incorporated by reference from U.S. FDA Regulation 21 CFR 172.862 - Oleic acid derived from tall oil fatty acids.

Typical Properties

Property	Test Method	Typical Value, Units
General		
Acid Number		198
Fatty Acids		99.5 %
Rosin Acids		nil
Unsaponifiables		0.3 %
Water		0.1 %
Color, Gardner		0.5
Color		
after heat test	D 1981-61	1
Iodine Number	Wijs	90
Peroxide value		1
Saponification Number		199
Titer		11 °C
Specific Gravity		
@ 25°C		0.888 kg/L (7.40 lb/gal)
BHT Antioxidant		40 ppm
Fatty Acid Composition		
C16:0	GC	0.2 %
C18:0		2.6 %
C18:1		90 %
C18:2		6 %
C18:3		0.1 %
Conjugated Linoleic Acid	GC	1.5 %

Packaging

Tank cars: Aluminum, Kanigen- and resin-lined cars; Tank wagons and Drums: 55-gal, 208-l (410 lbs, 186 kg, net wt), ICC-17E-type, non-returnable lined steel drums.

Storage

Do not store in carbon steel containers since fatty acids will react and discolor. Inside storage and "first in first out" inventory control is recommended. Storage at temperatures above 30°C should be avoided. Fatty acids are susceptible to gradual oxidation, some more so than others. This could result in darkening and/or it could have an adverse effect on the solubility of the product in organic solvents or on its compatibility with polymers.

Accordingly, it is recommended that strict control of inventory be observed at all times, taking care that the oldest material is used first. Material will remain within product specification limits for a period of at least eighteen months after shipment from Eastman's production facilities, provided recommended storage conditions are observed. However, as neither the processing conditions for the product, nor the end use applications for which it is used can be anticipated and extreme conditions can affect the product quality, it is recommended that the material be tested upon receipt.

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