

PAMOLYN™ 100 FGK Oleic Acid, Kosher, BHT-Free



PAMOLYN™ 100 FGK Oleic Acid, Kosher, BHT-Free 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 Oleic Acid, Kosher, BHT-Free 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.

- 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

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

eMail: Adhesive.Technologies@Synthomer.com

Property	Typical Value	Unit	Method ¹
Acid Number	197	mg KOH/g	CA-050, Internal based on ASTM D465
Fatty Acids	99.8	%	CQ-008, Internal based on ASTM D1585
Rosin Acids	nil		CA-046, Internal based on ASTM D1240
Unsaponifiables	0.2	%	CA-052, Internal based on ASTM D1065
Water	0.1	%	CA-049, Coulometer
Color, Gardner	0.3	neat	AC-100 / ASTM D6166
Color (after heat test), Gardner	0.9	neat	AC-099
Iodine Number	90	cg I/g sample	CA-048, Wijs
Peroxide value	1	meq/1000 g	CA-051, Internal based on AOCS Cd 8-53
Saponification Number	199	mg KOH/g sample	CA-045, Internal based on ASTM D464
Titer	11	°C	CS-034, Internal based on ASTM D1982
Specific Gravity @ 25°C	7.40	lb/gal	
Specific Gravity @ 25°C	0.888	kg/L	
Conjugated Acids (incl. C18:2 linoleic)	1.4	%	GC-016
Palmitic Acid (C16:0)	0.3	%	GC-016
Stearic Acid (C18:0)	2.4	%	GC-016
Oleic Acid (C18:1)	86-89	%	GC-016
Polyunsaturated Acids, Total (TPU: C18:2, C18:3, etc.)	8-10	%	GC-016

¹ internal method based upon the specified norm

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Applications

Adhesives, Caulks and Sealants, Plastic Modification, Other coatings, Food Additives, Graphic inks

Packaging

Synthomer provides PAMOLYN™ 100 FGK Oleic Acid, Kosher, BHT-Free directly in tank truck or lined tank cars. Contact your Synthomer representative for information about smaller quantities through our distributor network.

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 Synthomer 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.

Comments

Properties reported here are typical of average lots. Synthomer makes no representation that the material in any particular shipment will conform exactly to the values given.