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Typical Product Specifications & Properties

Oleic Acid 221 NF

CAS Number: : 112-80-1

Specifications	Limits
Typical Fatty Acid Composition	
Specific Gravity, 0.889-0.895	PASS
Linoleic Acid (C18:2)	8%
Density	0.895
Color % Trans@ 550 nm	98% Min.
Color % Trans@ 440 nm	77% Min.
Saponification Value	201 - 206
Melting Point	6 c
Insolubility	in water
Acid Value, mg KOH/g	199 -204
Unsaponifiable Matter	1.0% Max.
Palmitoleic Acid (C16:1)	6%



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Specifications	Limits
Fatty Acids (Saturated C14-C17)	9%
Vapor Pressure	1 mm (176.5 c)
Linolenic Acid (C18:3)	1%
Mineral Acidity	PASS
Cognis certifies the following for NF	
Titer, °C	5.0 Max.
Residue on Ignition	PASS
Oleic Acid (C18:1)	73%
Iodine Value	88.0 - 95.0
Myristoleic Acid (C14:1)	3%
Organic Volatile Impurities	PASS
Neutral Fat or Mineral Oil	PASS



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Specifications	Limits
Solubility	alcohol, ether, benzene, chloroform, fixed volatile oils, oxygenated, chlorinated, and aromatic solvs
Boiling Point	286 c (100 mm)
Odor	odorless
HLB	1.0
Molecular weight	282.47
Acid Number	196-204
Color	colorless liquid



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