64683 Einhausen Marie-Curie-StraBe. 3, Germany
Website: www.pure-synth.com
Phone: 1800-8908-260
Email: info@pure-synth.com

PureSynth®
Research Chemicals

Certificate of Analysis

Product Name:
Polysorbate 80, Pur*Reagent Plus*, Meets analytical specifications of USP & EP

Product No.:	PSR50846
Lot No.:	Sample COA
Brand:	PureSynth
CAS No.:	9005-65-6
Molecular Formula:	NA
Molecular Weight:	NA
Date of Mfg.:	NA
Date of Exp.:	NA

Test	Specification	Result
Appearance	Light orange to yellow to brown or green liquid	Yellow liquid
Composition of fatty acids		
a) Myristic acid	NMT 5.0 %	0.90 %
b) Palmitic acid	NMT 16.0 %	8.23 %
c) Palmitoleic acid	NMT 8.0 %	0.50 %
d) Stearic acid	NMT 6.0 %	2.20 %
e) Oleic acid	NLT 58.0 %	76.10 %
f) Linoleic acid	NMT 18.0 %	0.15 %
g) Linolenic acid	NMT 4.0 %	0.85 %
Identification A	Passes test	Passes test
Solubility (5% solution in water)	Pale yellow clear solution	Complies
pH (1% solution)	5.4 - 7.6	6.2
Water	NMT 3.000 %	1.985 %
Refractive Index (n20/D)	1.471 - 1.475	1.471
Acid value	NMT 2.0	0.65
Hydroxyl value	65 - 80	72.35
Saponification value	45 - 55	50.86
Peroxide value	NMT 10.0	4.80
Viscosity at 25°C	300 - 500 cps	410 cps
Residue on ignition	NMT 0.25%	0.12 %
Identification by IR	Conforms to structure	Conforms

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

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Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at room temperature and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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