

Certificate of Analysis

Product Name:

Tween 20 (Polyoxyethylene Sorbitan Monolaurate) USP NF compliance grade

Product No.: PSR48531
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 9005-64-5
Molecular Formula: -
Molecular Weight: -
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Light Yellow Liquid	Light Yellow Liquid
Saponification value	40 – 50 mgKOH/g	47.8 mgKOH/g
Hydroxyl Value	96 – 108 mgKOH/g	106.5 mgKOH/g
Water	NMT 3.000 %	2.200 %
Peroxide Value	NMT 10.0 meq/kg	< 10.0 meq/kg
Acid Value	NMT 2.0 mgKOH/g	< 2.0 mgKOH/g
Residue On Ignition	NMT 0.25 %	0.09 %
Dioxane	NMT 10 ppm	< 10 ppm
Ethylene Oxide	NMT 1 ppm	< 1 ppm
Limit Of Ethylene Glycol	NMT 0.10 %	< 0.10 %
Limit Of Diethylene Glycol	NMT 0.10 %	< 0.10 %
Composition Of Fatty Acids:		
C6 Caproic	NMT 1.0 %	< 1.0 %
C8 Caprylic	NMT 10.0 %	< 10.0 %
C10 Capric	NMT 10.0 %	< 10.0 %
C12 Lauric	NMT 60.0 %	< 60.0 %
C14 Myristic	NMT 25.0 %	< 25.0 %
C16 Palmitic	NMT 15.0 %	< 15.0 %
C18 Stearic	NMT 7.0 %	< 7.0 %
C18: 1 Oleic	NMT 11.0 %	< 11.0 %
C18: 2 Linoleic	NMT 3.0 %	< 3.0 %
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

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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