

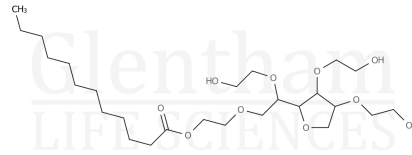
## Certificate of Analysis

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Product Name	Tween 20
Glentham Code	GD9856
CAS Number	9005-64-5
EINECS	500-018-3
MDL Number	MFCD00165986
Batch Number	607ARU

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Molecular Weight	1227.54
Molecular Formula	$C_{58}H_{114}O_{26}$
Storage Temp.	+20°C



Property	Specification	Batch 607ARU
Physical Description	Clear, Light-yellow to brown-yellow liquid	Conforms
1,4-Dioxane	≤ 10ppm	≤ 1ppm
Ethylene Glycol	≤ 620ppm	Conforms
Heavy Metals	≤ 10ppm	Conforms
Water	≤ 3.0%	2.6%
Sulphated Ash	≤ 0.2%	Conforms
Acid Value	≤ 2.0mgKOH/g	0.3mgKOH/g
Hydroxyl Value	96 - 108 mgKOH/g	101mgKOH/g
Saponification Value	40 - 50 mgKOH/g	44mgKOH/g
Peroxide Value	≤ 5meq/kg	0meq/kg
Colour (Gardner)	≤ 5 (25°C)	4
Ethylene Oxide	≤ 1ppm	Conforms

Specification Version	v1.2
Manufacture Date	2024-10-18
Re-Test Date	2032-01-30

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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