

Certificate of Analysis

Product Name	Tween 60, BP, Ph. Eur., USP/NF grade
Glentham Code	GL3891
CAS Number	9005-67-8
MDL Number	MFCD01780110
Batch Number	294NKE

Molecular Weight	1311.70
Molecular Formula	$C_{64}H_{126}O_{26}$
Storage Temp.	+20°C

Property	Specification	Batch 294NKE
Physical Description	Pale yellow to yellow semi-solid or solid	Conforms
	60°C: Clear liquid	Conforms
Identification	To conform to Ph. Eur., USP	Conforms
Acid Value	≤ 2.0mgKOH/g	0.2mgKOH/g
Saponification Value	45 - 55 mgKOH/g	52mgKOH/g
Hydroxyl Value	81 - 96 mgKOH/g	82mgKOH/g
Peroxide Value	≤ 5.0meq/kg	1.2meq/kg
Water	2.0 - 3.0 %	2.4%
Sulphated Ash	≤ 0.2%	Conforms
Organic Volatile Impurities	To pass test	Conforms
Ethylene Glycol	≤ 310ppm	Conforms
Colour (Gardner)	≤ 10	2
1,4-Dioxane	≤ 1ppm	Conforms
Ethylene Oxide	≤ 1ppm	Conforms
Palmitic (C16) + Stearic (C18)	90.0 - 100.0 %	97.8%
Stearic acid	40.0 - 60.0 %	56.2%
Pharmacopoeia Specification(s)	Ph. Eur., USP	Conforms

Specification Version	v1.0
Manufacture Date	2018-08-25
Re-Test Date	2028-06-09

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 or contact us using the details above for the current version of this document.

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