

Certificate of Analysis

Product Name	Tween 80
Glentham Code	GD5948
CAS Number	9005-65-6
MDL Number	MFCD00082107
Batch Number	916OAU

Molecular Weight
Molecular Formula
Storage Temp. +20°C

Property	Specification	Batch 916OAU
Physical Description	Clear, colourless or brownish-yellow oily liquid	Conforms
Identification	To conform to EP, USP tests	Conforms
Solubility (10% in water)	Clear to faintly turbid, faint yellow to yellow dispersion	Conforms
Colour (Gardner)	≤ 5 (25°C)	2.9
Acid Value	≤ 2.0mgKOH/g	0.2 mgKOH/g
Hydroxyl Value	65 - 80 mgKOH/g	72 mgKOH/g
Peroxide Value	≤ 5meq/kg	0.4 meq/kg
Saponification Value	45 - 55 mgKOH/g	46 mgKOH/g
Myristic acid	≤ 5.0%	0.2%
Palmitic acid	≤ 16.0%	4.6%
Palmitoleic acid	≤ 8.0%	0.0%
Stearic acid	≤ 6.0%	1.9%
Oleic acid	58.0 - 85.0 %	79.0%
Linoleic acid	≤ 18.0%	0.0%
Linolenic acid	≤ 4.0%	0.0%
Ethylene Oxide	≤ 1ppm	≤ 1ppm
Dioxane	≤ 10ppm	≤ 10ppm
Heavy Metals	≤ 10ppm	≤ 10ppm
Sulphated Ash	≤ 0.25%	0.09%
Water	≤ 3.0%	2.7%
Pharmacopoeia Specification(s)	EP, USP	Conforms

Specification Version	v1.2
Manufacture Date	2022-12-21
Re-Test Date	2031-02-06

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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