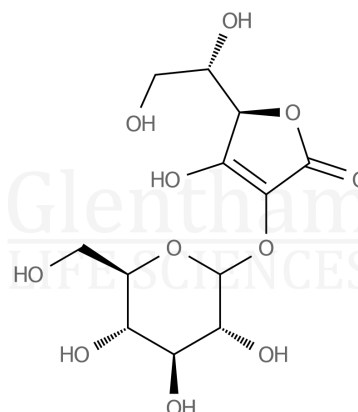


Certificate of Analysis

Product Name	Tween 40
Glentham Code	GD3405
CAS Number	9005-66-7
MDL Number	MFCD00165345
Batch Number	720CCS

Molecular Weight	-
Molecular Formula	-
Storage Temp.	+20°C



Property	Specification	Batch 720CCS
Physical Description	Clear, yellow or yellow-brown liquid	Conforms
Acid Value	≤ 2.0 mgKOH/g	1.3 mgKOH/g
Saponification Value	41 - 52 mgKOH/g	50 mgKOH/g
Hydroxyl Value	90 - 105 mgKOH/g	101 mgKOH/g
Peroxide Value	≤ 10 meq/kg	1 meq/kg
Water	2.0 - 3.0 %	2.5%
Sulphated Ash	$\leq 0.2\%$	Conforms
Colour (Gardner)	≤ 4	2
1,4-Dioxane	≤ 1 ppm	Conforms
Ethylene Oxide	≤ 1 ppm	Conforms

Specification Version	v1.1
Manufacture Date	2016-08-27
Re-Test Date	2027-09-23

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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