

neoFroxx GmbH

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Specification

Product	Tween® 80 for biochemistry
Product number	1716
Synonyms	Polysorbat 80
Formula	$C_{64}H_{124}O_{27}$
Molecular weight	1310 g/mol
CAS number	9005-65-6
Storage	below 25°C, protected from light
Retest period (months)	36 (revised)

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Parameter	Specification
Appearance	yellow viscous liquid
Identity	passes test
Hydroxyl number	65 - 80
Acid number	≤ 2
Peroxide number	≤ 5
Saponification number	45 - 55
Water	$\leq 3 \%$
Residue on ignition (Ash)	$\leq 0.25 \%$
Heavy metals (Pb)	$\leq 0.001 \%$
Volatile matter	passes test
1,4-Dioxane	$\leq 0.001 \%$
CMC (25°C)	0.000059 mol/l
Ethylene oxide (free)	$\leq 0.0001 \%$
Fatty acids	passes test
Colour to Gardner	≤ 10

Einhausen, 29.12.2025