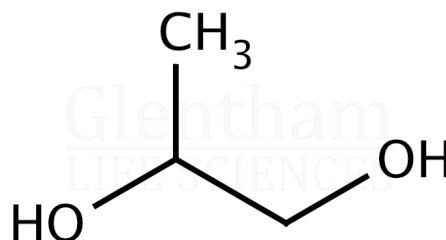


Certificate of Analysis

Product Name	Propylene glycol, Ultrapure, 99.5%, BP, Ph. Eur., USP grade
Glentham Code	GK3409
CAS Number	57-55-6
EINECS	200-338-0
MDL-Nummer	MFCD00064272
Batch Number	480LTW
Molecular Weight	76.10
Molecular Formula	$C_3H_8O_2$
Storage Temp.	+20°C



Property	Specification	Batch 480LTW
Physical Description	Clear, colourless, viscous liquid	Entspricht
Identification	To conform with all BP, Ph. Eur., USP tests	Entspricht
Colour (APHA)	≤ 5	Entspricht
Relative Density (20°C)	1.0350 - 1.0400	1.0383
Refractive Index (20°C)	1.4310 - 1.4330	1.4330
Acidity	To pass test	Entspricht
Acidity (as acetic acid)	≤ 0.003%	Entspricht
Reducing Substances	To pass test	Entspricht
Oxidising Substances	To pass test	Entspricht
Heavy Metals	≤ 5ppm	Entspricht
Sulphated Ash	≤ 0.007%	0.003%
Water	≤ 0.2%	Entspricht
Chloride (Cl)	≤ 70ppm	Entspricht
Sulphate (SO ₄)	≤ 60ppm	Entspricht
Iron (Fe)	≤ 0.3ppm	≤ 0.1ppm
Arsenic (As)	≤ 2.0ppm	Entspricht
Lead (Pb)	≤ 1.0ppm	Entspricht
Cadmium (Cd)	≤ 0.5ppm	Entspricht
Mercury (Hg)	≤ 1.0ppm	Entspricht
Purity	≥ 99.5%	≥ 99.9%
Pharmacopoeia Specification(s)	BP, Ph. Eur., USP	Entspricht

Specification Version	v1.2
Manufacture Date	2024-01-31
Re-Test Date	2031-02-01

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025