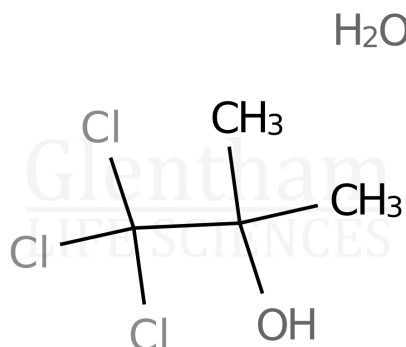


Certificate of Analysis

Product Name	Chlorobutanol hemihydrate, BP, Ph. Eur. grade
Glentham Code	GP5527
CAS Number	6001-64-5
EINECS	249-042-3
MDL Number	MFCD02179352
Additional CAS	57-15-8
Batch Number	473WWX
Molecular Weight	177.45 (anhydrous)
Molecular Formula	$C_4H_7Cl_3O \cdot 0.5(H_2O)$
Storage Temp.	+20°C



Property	Specification	Batch 473WWX
Physical Description	White or almost white crystalline powder, or colourless crystals	White crystalline powder
Identification (IR)	To conform to standard	Conforms
Solubility (50% w/v in ethanol)	Clear, colourless solution ($\leq$ BY5)	Conforms
Acidity	$\leq$ 1.0ml (of 0.01M NaOH)	Conforms
Chlorides	$\leq$ 100ppm	Conforms
Sulphated Ash	$\leq$ 0.1%	Conforms
Water (KF)	4.5 - 5.5 %	5.1%
Assay (Titration)	98.0 - 101.0 %	99.2%
Pharmacopoeia Specification(s)	BP, Ph. Eur.	Conforms

Specification Version	v1.1
Manufacture Date	2025-03-07
Re-Test Date	2030-02-06

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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