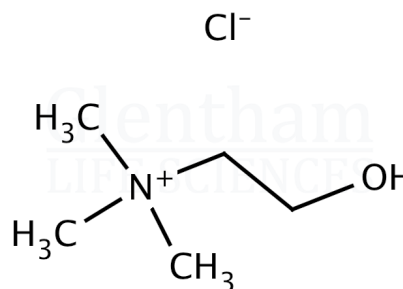


Certificate of Analysis

Product Name	Choline chloride
Glentham Code	GV0497
CAS Number	67-48-1
EINECS	200-655-4
MDL Number	MFCD00011721
PubChem SID	310270216
Additional CAS	62-49-7
Batch Number	624YTQ

Molecular Weight	139.63
Molecular Formula	$C_5H_{14}ClNO$
Storage Temp.	+20°C



Property	Specification	Batch 624YTQ
Physical Description	White crystalline powder or colourless crystals	Conforms
Solubility (10% in water)	Clear, colourless solution	Clear, colourless solution
pH (10% in water)	4.0 - 7.0	5.6
Residue on Ignition	≤ 0.05%	0.03%
Water	≤ 0.5%	0.3%
Assay	99.0 - 100.5 % (anhydrous basis)	99.2%

Specification Version	v1.0
Manufacture Date	2023-02-20
Re-Test Date	2029-05-18

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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