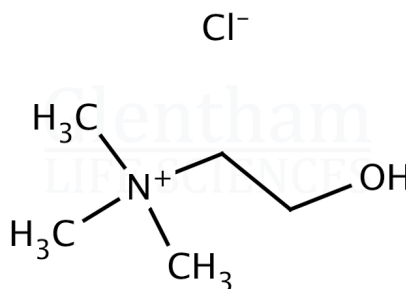


Certificate of Analysis

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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