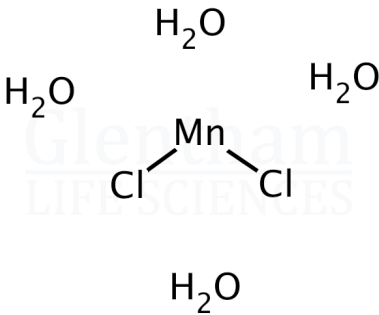


Certificate of Analysis

Product Name	Manganese(II) chloride tetrahydrate
Glenthams Code	GK2508
CAS Number	13446-34-9
EINECS	231-869-6
MDL Number	MFCD00149792
PubChem SID	310276013
Batch Number	319HYL

Molecular Weight	197.90
Molecular Formula	MnCl ₂ · 4H ₂ O
Storage Temp.	+20°C



Property	Specification	Batch 319HYL
Physical Description	Pink crystals or crystalline powder	Pink crystalline powder
Solubility (5% in water)	Clear, pale pink solution	Conforms
Iron (Fe)	≤ 100ppm	≤ 1ppm
Zinc (Zn)	≤ 100ppm	2.5ppm
Sodium (Na)	≤ 100ppm	≤ 1ppm
Sulphate (SO4)	≤ 0.2%	Conforms
Assay	≥ 98.0% (MnCl ₂ · 4H ₂ O)	99.1%

Specification Version	v1.0
Manufacture Date	2024-04-10
Re-Test Date	2036-04-05

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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