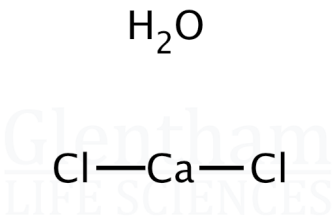


Certificate of Analysis

Product Name	Calcium chloride dihydrate
Glenthams Code	GK9858
CAS Number	10035-04-8
EINECS	233-140-8
MDL Number	MFCD00149613
PubChem SID	310269207
Batch Number	156ASU

Molecular Weight	147.02
Molecular Formula	CaCl ₂ · 2H ₂ O
Storage Temp.	+20°C



Property	Specification	Batch 156ASU
Physical Description	White crystalline powder or flakes	Conforms
Solubility (10% in water)	Clear, colourless solution	Conforms
pH	9.0 - 11.0 (5% w/v CaCl ₂)	10.4
Magnesium and Alkali Salts	≤ 2.5%	1.9%
Water Insoluble Matter	≤ 0.2%	0.04%
Fluorine (F)	≤ 40ppm	16ppm
Heavy Metals (as Pb)	≤ 20ppm	≤ 20ppm
Iron (Fe)	≤ 5ppm	≤ 0.5ppm
Lead (Pb)	≤ 2ppm	0.83ppm
Arsenic (As)	≤ 1ppm	0.004ppm
Mercury (Hg)	≤ 1ppm	≤ 0.01ppm
Assay	99 - 106 % (CaCl ₂ · 2H ₂ O)	103%

Specification Version	v1.2
Manufacture Date	2018-12-05
Re-Test Date	2028-11-16

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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