

## Certificate of Analysis

Product Name Calcium chloride dihydrate  
Glentham Code GK9858  
CAS Number 10035-04-8  
EINECS 233-140-8  
MDL Number MFCD00149613  
PubChem SID 310269207  
Batch Number 513GZC

Molecular Weight 147.02  
Molecular Formula  $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$   
Storage Temp. +20°C



Property	Specification	Batch 513GZC
Physical Description	White crystalline powder or flakes	Conforms
Solubility (10% in water)	Clear, colourless solution	Clear, colourless solution
pH	9.0 - 11.0 (5% w/v $\text{CaCl}_2$ )	10.5
Magnesium and Alkali Salts	$\leq 2.5\%$	1.8%
Water Insoluble Matter	$\leq 0.2\%$	$\leq 0.1\%$
Fluorine (F)	$\leq 40\text{ppm}$	17ppm
Heavy Metals (as Pb)	$\leq 20\text{ppm}$	Conforms
Iron (Fe)	$\leq 5\text{ppm}$	2ppm
Lead (Pb)	$\leq 2\text{ppm}$	Conforms
Arsenic (As)	$\leq 1\text{ppm}$	Conforms
Mercury (Hg)	$\leq 1\text{ppm}$	Conforms
Assay	99 - 106 % ( $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$ )	102%

Specification Version v1.2  
Manufacture Date None  
Re-Test Date 2032-04-09

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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