



## CERTIFICATE OF ANALYSIS

Product Name: **Calcium Chloride, Dihydrate**  
ACS Grade

Catalog Number: C012                      Molecular Formula:  $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$   
Lot Number: 03182007                      Formula Weight: 147.01  
CAS Number: 10035-04-8                      Storage: 15 to 30°C  
Source: Synthetic                      Retest Date: 30-SEP-2022

<u>Test</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Fine White Powder	PASS
Identity Test	Passes Test	PASS
Assay	99.0 % - 105.0 %	101.48 %
Solubility (5%, H <sub>2</sub> O)	Clear, Colorless Solution	PASS
pH (5%, H <sub>2</sub> O)	4.5 - 8.5	6.09
Ammonium (NH <sub>4</sub> )	≤ 0.005 %	< 0.005 %
Barium (Ba)	≤ 0.005 %	< 0.005 %
Heavy Metals (Pb)	≤ 0.0005 %	< 0.005 %
Insoluble Matter	≤ 0.01 %	0.005 %
Iron (Fe)	≤ 0.001 %	< 0.001 %
Magnesium (Mg)	≤ 0.005 %	0.0008 %
Oxidizing Substances (as NO <sub>3</sub> )	≤ 0.003 %	< 0.003 %
Potassium (K)	≤ 0.01 %	0.0038 %
Sodium (Na)	≤ 0.02 %	0.0095 %
Strontium (Sr)	≤ 0.1 %	0.0032 %
Sulfate (SO <sub>4</sub> )	≤ 0.01 %	< 0.01 %

**This product meets or exceeds the quality standards established by Caisson Laboratories, Inc.**

*This product is intended for Laboratory Use Only*

Prepared by:

Reviewed by:

Becky Kowallis                      03/08/2018  
Quality Control