



## Certificate of Analysis

### Calcium Chloride Dihydrate ACS

**Catalog Number:** CC1022  
**Lot Number:** 0312805  
**CAS Number:** 10035-04-8  
**Molecular Formula:**  $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$   
**Molecular Weight:** 147.01  
**Storage:** 15°C – 30°C  
**Date of Manufacture:** May 2, 2017  
**Retest Date:** May 1, 2022

Test	Specification	Result
Appearance	Colorless to white hygroscopic crystals	Conforms
Assay	99.0 – 105.0%	99.1%
Identification	To pass test	Conforms
Solubility (5%)	Clear & colorless	Conforms
pH (5%)	4.5 – 8.5	5.41
Insoluble Matter	$\leq 0.01\%$	$< 0.01\%$
Oxidizing Substances	$\leq 0.003\%$	$< 0.003\%$
Sulfate	$\leq 0.01\%$	$< 0.01\%$
Ammonium	$\leq 0.005\%$	$< 0.005\%$
Barium	$\leq 0.005\%$	$< 0.005\%$
Heavy Metals	$\leq 5\text{ppm}$	$< 5\text{ppm}$
Iron	$\leq 0.001\%$	$< 0.001\%$
Magnesium	$\leq 0.005\%$	$< 0.005\%$
Potassium	$\leq 0.01\%$	$< 0.01\%$
Sodium	$\leq 0.02\%$	$< 0.02\%$
Strontium	$\leq 0.1\%$	$< 0.1\%$

Approved by:

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Date: March 15, 2018