

## Certificate of Analysis

**Product: Barium Chloride Crystal Dihydrate 99%**  
**Item Number: C1910**  
**Grade: ACS**  
**Lot Number: 230306A**  
**Manufacture Date: 12/01/2022**  
**Expiration Date: 11/30/2027**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
Description	White to Colorless Crystals	White Crystals
Loss on Drying @ 150°C	14.0 - 16.0%	14.8%
Assay	≥99.0%	99.4%
pH of 5% solution @ 25°C	5.2 - 8.2	6.72
Insoluble Matter	≤0.005%	<0.001%
Oxidizing Substances (as NO <sub>3</sub> )	≤0.005%	<0.005%
Calcium	≤0.05%	<0.01%
Potassium	≤0.0025%	0.0018%
Sodium	≤0.005%	≤0.003%
Strontium	≤0.1%	0.02%
Heavy metals (as Pb)	≤5 ppm	<4 ppm
Iron	≤2 ppm	<1 ppm

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