



CERTIFICATE OF ANALYSIS

Product:	Barium Chloride, Dihydrate, ACS Reagent Grade		
Catalog Number:	B1000		
Lot Number:	KEJ00123		
Manufacture Date:	10/02/23	Retest Date:	10/01/28
CAS #:	10326-27-9	Chemical Formula:	BaCl₂ • 2H₂O
Formula Weight:	244.26		

TEST	LIMIT	OBSERVATION
Description	White Crystals	White Crystals
Identification	To pass test	Passes test
Assay	Min. 99.0 %	99.74 %
Loss on drying (150°C)	14.0 – 16.0 %	15.07 %
pH of a 5% solution at 25.0°C	5.2 – 8.2	6.45
Insoluble matter	Max. 0.005 %	0.003 %
Oxidizing substances (as NO ₃)	Max. 0.005 %	< 0.005 %
Calcium (Ca)	Max. 0.05 %	Not detected
Potassium (K)	Max. 0.0025 %	0.002 %
Sodium (Na)	Max. 0.005 %	0.0022 %
Strontium (Sr)	Max. 0.1 %	0.026 %
Heavy metals (by ICP-OES)	Max. 5 ppm	< 5 ppm
Iron (Fe)	Max. 2 ppm	< 2 ppm

It is certified on 05/20/24 that the above is a true copy of the actual lot analysis.

Grant Christen
 Quality Systems and Regulatory Affairs
 Rocky Mountain Reagents, Inc.

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