Rocky Mountain Reagents
SCIENTIFIC SOLUTIONS SINCE 1951

CERTIFICATE OF ANALYSIS

Product: Potassium Bromide, ACS/USP Grade
Catalog Number: P1220
Lot Number: KEI02125
Manufacture Date: 09/10/25
Retest Date: 09/09/30
CAS #: 7758-02-3
Chemical Formula: KBr
Formula Weight: 119.00
Country of Origin: India

TEST	LIMIT	OBSERVATION
Meets ACS Specifications		
Description	Colourless crystals	Colourless crystals
Identification	To pass test	Passes test
Assay	Min. 99.0 %	99.32 %
pH of 5% soln. at 25°C	5.0 – 8.8	5.98
Insoluble matter	Max. 0.005 %	0.003 %
Bromate (BrO_3)	Max. 0.001 %	< 0.001 %
Iodate (IO_3)	Max. 0.001 %	< 0.001 %
Chloride (Cl)	Max. 0.2 %	< 0.2 %
Iodide (I)	Max. 0.001 %	< 0.001 %
Sulfate (SO_4)	Max. 0.005 %	< 0.005 %
Barium (Ba)	Max. 0.002 %	< 0.002 %
Heavy Metals (by ICP-OES)	Max. 5 ppm	< 5 ppm
Iron (Fe)	Max. 5 ppm	< 5 ppm
Calcium (Ca)	Max. 0.002 %	< 0.002 %
Magnesium (Mg)	Max. 0.001 %	< 0.001 %
Sodium (Na)	Max. 0.02 %	< 0.02 %

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TEST	LIMIT	OBSERVATION
Meets USP Specifications		
Description	White crystalline powder or colorless cubical crystals	Colorless crystals
Identification A	Gives reaction of Bromide	Complies
Identification B	Gives reaction of Potassium	Complies
Solubility	Freely soluble in water and in glycerol, slightly soluble in alcohol	Complies
Appearance of 10 % solution	Clear & colorless	Clear & colorless
Assay (on dried basis)	98.0 – 100.5 %	99.44 %
Acidity or alkalinity	NMT 0.5 ml of 0.01N HCl or NaOH required	0.1 ml of 0.01N NaOH used
Loss on drying (100 - 105°C/3h)	Max. 1.0 %	0.12 %
Bromate (BrO_3)	No blue or violet color	Complies
Chlorine	Max. 0.6 %	< 0.6 %
Iodide (I)	Lower level is colorless	Complies
Sulfates (SO_4)	Max. 0.01 %	< 0.005%
Iron (Fe)	Max. 20 ppm	< 5 ppm
Mg & alkaline earth metals (as Ca)	Max. 0.02 %	< 0.02 %

Residual Solvents: Solvent other than purified water was not used during production process of the product.

It is certified on 03/03/26 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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