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Certificate of Analysis

Product	13873 - Potassium Bromide Powder for IR & FTIR spectroscopy, 99.5% - [7758-02-3]
Batch No	8251187
Analysis Date	10-Feb-2024
Date of Manufacture	February 2024
Expiry Date/Re-Test Date	February 2029
Molecular Formula	KBr
Molecular Weight	119.00

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline hygroscopic powder	Crystalline hygroscopic powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (AT)	min. 99.5%	99.7%
pH (5% aq. solution)	5.0 - 8.0	5.4
Loss on drying	max. 0.5%	0.05%
Chloride (Cl)	max. 0.03%	Passes
Sulphate (SO ₄)	max. 0.005%	Passes
Iron (Fe)	max. 0.0002%	Passes
Heavy Metals (Pb)	max. 0.0002%	Passes
Copper (Cu)	max. 0.0002%	Passes
Sodium (Na)	max. 0.05%	Passes
Bromate (BrO ₃)	max. 0.0004%	Passes
Nitrogen Compounds (N)	max. 0.001%	Passes
Suitability for IR Spectroscopy	Passes test	Passes

FRM/82/11/4/13873 Rev No. 2 Date 21/06/2022

Prepared by **ThakurRohit**

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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