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Certificate of Analysis

Product	43469 - Barium Hydroxide Octahydrate extrapure AR, 98% - [12230-71-6]
Batch No	1604454
Analysis Date	12-Jun-2024
Date of Manufacture	June 2024
Expiry Date/Re-Test Date	June 2029
Molecular Formula	Ba(OH) ₂ .8H ₂ O
Molecular Weight	315.47

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 4% solution in 5N HCl	Clear	Clear
Solubility (Colour) 4% solution in 5N HCl	Colourless	Colourless
Assay (HCl titration)	min. 98%	98.2%
Chloride (Cl)	max. 0.001%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Copper (Cu)	max. 0.0005%	Passes
Carbonate (CO ₃)	max. 2%	0.5%
Sulphide (S)	max. 0.0005%	Passes
Potassium (K)	max. 0.01%	Passes
Sodium (Na)	max. 0.01%	Passes

FRM/82/11/4/43469 Rev No. 2 Date 11/07/2022

Prepared by Dnyaneshwar

In compliance with the standard specifications of SRL

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

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