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## Certificate of Analysis

<b>Product</b>	<b>84482 - Barium Hydroxide Octahydrate extrapure AR, ACS, ExiPlus, Multi-Compendial, 98% - [12230-71-6]</b>
<b>Batch No</b>	<b>2807182</b>
<b>Analysis Date</b>	12-Dec-2023
<b>Date of Manufacture</b>	December 2023
<b>Expiry Date/Re-Test Date</b>	December 2028
<b>Molecular Formula</b>	Ba(OH) <sub>2</sub> .8H <sub>2</sub> O
<b>Molecular Weight</b>	315.47

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, BP, Ph.Eur	Passes
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%	98.1%
Acid insoluble matter	max. 0.005%	0.004%
Chloride (Cl)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Iron (Fe)	max. 0.0005%	Passes
Copper (Cu)	max. 0.0005%	Passes
Sulphide (S)	max. 0.0005%	Passes
Carbonate (CO <sub>3</sub> )	max. 2%	1.8%
Potassium (K)	max. 0.01%	Passes
Sodium (Na)	max. 0.01%	Passes
Calcium (Ca)	max. 0.05%	Passes
Strontium (Sr)	max. 0.8%	Passes

FRM/82/11/4/84482 Rev No. 2 Date 11/07/2022

Prepared by Yogesh

In compliance with the standard specifications of SRL

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

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