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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : Barium Hydroxide Octahydrate AR  
**Batch No.** : 227224  
**Date of Mfg.** : Dec 2023  
**Date of Exp** : Nov 2028  
**Register No.** : 2023-24  
**Qty of Sample** : 500gm  
**Date of Analysis** : Dec 2023

S. No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	White crystalline powder
2.	Assay	98.8% Ba(OH) <sub>2</sub> .8H <sub>2</sub> O	Min.98.0%
3.	Hydrochloric acid insoluble Matter	0.005%	Max.0.005%
4.	Carbonate	1.43%	Max.2.0%
5.	Chloride	0.0002%	Max.0.001%
6.	Sulphide	0.0005%	Max.0.0005%
7.	Calcium	0.0002%	Max.0.002%
8.	Copper	0.0005%	Max.0.0005%
9.	Iron	0.00005%	Max.0.0005%
10.	Lead	0.0001%	Max.0.0005%
11.	Potassium	0.0075%	Max.0.01%
12.	Sodium	0.002%	Max.0.01%
13.	Strontium	0.45%	Max.0.5%

**Chief Chemist**