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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : Barium Hydroxide Octahydrate AR  
**Batch No.** : 228277  
**Date of Mfg.** : Jan 2025  
**Date of Exp** : Dec 2029  
**Register No.** : 2025-26  
**Qty of Sample** : 500gm  
**Date of Analysis** : Jan 2025

S. No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	White crystalline powder
2.	Assay	98.67% Ba(OH) <sub>2</sub> .8H <sub>2</sub> O	Min.98.0%
3.	Hydrochloric acid insoluble Matter	0.0028%	Max.0.005%
4.	Carbonate	1.59%	Max.2.0%
5.	Chloride	0.0005%	Max.0.001%
6.	Sulphide	0.0005%	Max.0.0005%
7.	Calcium	0.0006%	Max.0.002%
8.	Copper	0.0002%	Max.0.0005%
9.	Iron	0.0001%	Max.0.0005%
10.	Lead	0.0001%	Max.0.0005%
11.	Potassium	0.0092%	Max.0.01%
12.	Sodium	0.004%	Max.0.01%
13.	Strontium	0.12%	Max.0.5%

**Chief Chemist**