

## Certificate of Analysis

Date of Testing: 2022-09-22 14:40:26

Date of Next Testing: 2026-09-21 14:40:26

Product Name: **Barium chloride dihydrate**

CAS Number: 10326-27-9

Specifications & Purity: AR, ≥99.5%

Lot #: I2217098

SKU # **B111749**

Version **5**

Analysis #: **124254**

| Parameter               | Limit Values             | Result                   |
|-------------------------|--------------------------|--------------------------|
| Insoluble matter in H2O | 0-0.01 (%)               | 0.00 %                   |
| Total Nitrogen          | 0-0.002 (%)              | 0.00 %                   |
| Calcium(Ca)             | 0-0.05 (%)               | 0.00 %                   |
| Heavy metal (as Pb)     | 0-0.0005 (%)             | 0.00 %                   |
| Sodium(Na)              | 0-0.01 (%)               | 0.00 %                   |
| PH(5% in water,25°C)    | 5-7                      | 5.64                     |
| Iron(Fe)                | 0-0.0001 (%)             | 0.00 %                   |
| Potassium(K)            | 0-0.005 (%)              | 0.00 %                   |
| Water by Karl Fischer   | 12-18 (%)                | 15.39 %                  |
| Strontium(Sr)           | 0-0.05 (%)               | 0.00 %                   |
| Assay                   | 99.5-100 (%)             | 99.96000 %               |
| Appearance (B111749)    | White Powder or Crystals | White Powder or Crystals |
| Clarity of solution     | pass                     | Pass                     |
| X-Ray Diffraction       | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager