

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Barium Chloride Dihydrate 99 % AR

Catalog Number : O-5041

Batch Number : 5041-0000000

CAS Number : 10326-27-9

Molecular Weight : 244.28 g/mol

Mol. Formula : $\text{BaCl}_2 \cdot 2\text{H}_2\text{O}$

Expire Date : 60 month

SAMPLE

No	Test	Specifications	Results
1	Appearance	White crystalline powder or crystals or chunks	White crystalline powder
2	Assay (complexometric)	min 99.0 %	99.55%
3	Insoluble matter	max 0.005 %	0.0023%
4	pH (5% w/v solution in water; 25°C)	5.2 – 8.2	6.54
5	Oxidizing substances (as NO_3)	max 0.005 %	0.0027%
6	Calcium (Ca)	max 0.05 %	0.015%
7	Iron (Fe)	max 0.0002 %	0.00008%
8	Heavy metals (as Pb)	max 0.0005 %	0.000007%
9	Potassium (K)	max 0.0025 %	0.0019%
10	Sodium (Na)	max 0.005 %	0.000084%
11	Strontium (Sr)	max 0.1 %	0.024%
12	Loss on drying at 150 °C	14.0 – 16.0 %	15.25%

Corresponds to AR / ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification

SUDIROS S.Si.
Manager QC