

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Barium Sulphate 97.5% AR (Confirms to IP,BP,USP)

Catalog Number : O-5044

Batch Number : 5044-00000000

CAS Number : 7727-43-7

Molecular Weight : 233.39 g/mol

Mol. Formula : BaSO₄

Expire Date : 60 Months

SAMPLE

No	Test	Specifications	Results
1	Appearance	Fine,white,odorless,tasteless, bulky powder, free from grittiness	Fine,white,odorless,tasteless, bulky powder, free from grittiness
2	Assay (as BaSO ₄ by EDTA)	97.5 - 100.5 %	99.35%
3	Solubility	practically insoluble in water, in organic solvents and in solutions of acids and of alkalies	complies
4	Identifications	to comply IP, BP, USP tests	complies
5	pH (10%, Solution)	3.5 – 10.0	7.98
6	Acidity or alkalinity	to comply IP, BP tests	complies
7	Acid soluble matter	max 0.3 %	0.28%
8	Oxidisable sulfur compounds	to comply BP test	complies
9	Soluble barium salts	max 0.001 % (to comply IP test)	complies
10	Chloride (Cl)	max 0.001 %	0.0006%
11	Phosphate (PO ₄)	to comply IP tests	complies
12	Heavy metals (as Pb)	max 0.001 %	0.0004%
13	Iron (Fe)	max 0.001 %	0.00065%
14	Sulphide (S)	max 0.5 ug/g (to comply IP test)	complies
15	Arsenic (As)	max 0.0002 %	0.000063%
16	Loss on ignition (at 600 ± 50°C)	max 2.0 %	0.65%
17	Bulkiness	to comply IP tests	complies

Corresponds to AR/ACS ,Conforms to IP,BP,USP Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specificationSUDIRO S.Si.
Manager QC