

CERTIFICATE OF ANALYSIS

Product Name	: BARIUM SULPHATE 97.5% AR	Analyzed On	: 07-Aug-2021
Lot No.	: A378892108	Mol. Weight	: 233.39
Mol. Formula	: BaSO ₄	CAS No.	: 7727-43-7
Code No.	: 01730	Exp. Date	: Jul-2026
Mfg. Date	: Aug-2021	UN No.	: -
HAZ. / P.G.	: -		

Sr.	Tests	Specifications	Results
1	Appearance	Fine, white, odorless, tasteless, bulky powder, free from grittiness	Fine, white, odorless, tasteless powder
2	Assay (as BaSO ₄)	97.5 -100.5%	99.49%
3	Solubility	Practically insoluble in water, in organic solvents, and in solutions of acids and of alkalies	Passes test
4	Identifications	To comply IP, BP, USP tests	Complies
5	Acidity or alkalinity	To comply IP, BP tests	Complies
6	pH (10% w/w solution)	3.5 –10.0	8.91
7	Acid soluble matter	Max 0.3%	0.3%
8	Oxidisable sulfur compounds	To comply BP test	Complies
9	Soluble barium salts	Max 0.001% (to comply IP test)	<0.001%
10	Phosphate (PO ₄)	To comply IP tests	Complies
11	Heavy metal (as Pb)	Max 0.001%	0.00089%
12	Sulphide (S)	Max 0.5 µg/g (to comply IP test)	<0.05 µg/g
13	Arsenic (As)	Max 0.0002%	<0.0005%
14	Loss on ignition (at 600 ± 50°C)	Max 2.0 %	0.51%
15	Bulkiness	To comply IP tests	Complies

CONCLUSION -This above product complies as per the specifications of LOBA CHEMIE PVT. LTD.



Shashikant Gaikwad
QC Manager

LOBA CHEMIE PVT. LTD.

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LOBA/QC/FM/01

04/10.03.2021