SPECIFICATION SHEET

Ryze Chemie

PRODUCT DETAILS

BARIUM SULPHATE AR

CAS No.	7727-43-7
Molecular Formula	BaSO4
Molecular Weight	233.39
Product Code	710047G500
Grade	AR
Specification no.	S/0047/71/R1
Effective date	01/05/2026.
Review date	30/04/2031.

TEST	SPECIFICATION
Description	Fine, white, odorless, tasteless, bulky powder, free from grittiness
Assay (as BaSO4)	97.5 -100.5%
Solubility	Practically insoluble in water, in organic solvents, and in solutions of acids and of alkalies
Identifications	To comply IP, BP, USP tests
Acidity or alkalinity	To comply IP, BP tests
pH (10% w/w solution)	3.5 –10.0
Acid soluble matter	Max 0.3%
Oxidisable sulfur compounds	To comply BP test
Soluble barium salts	Max 0.001% (to comply IP test)
Phosphate (PO4)	To comply IP tests
Heavy metal (as Pb)	Max 0.001%
Sulphide (S)	Passes test
Arsenic (As)	Max 0.0002%
Loss on ignition (at 600 ± 50°C)	Max 2.0 %
Bulkiness	To comply IP tests