

265 – BARIUM CARBONATE, AR GRADE

REF NO: TBL/QA/SS/LC/265	STANDARD SPECIFICATION FOR BARIUM CARBONATE, EXTRA PURE	Rev. No: 03
Issue No: 04		Review Date: 07/11/2024
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PRODUCT PROPERTIES

C.A.S Number	513-77-9
Chemical Formula	BaCO ₃
Formula weight	197.34
Functional Uses	Barium carbonate may be used as a precursor for the preparation of BaTiO ₃ nanoparticles, a dielectric material which is useful for manufacturing multilayer ceramic capacitors.
Standard Packaging	500 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Substances insoluble in hydrochloric acid	NMT– 0.015%
Chloride (Cl)	NMT– 0.002 %
Sulphide (S)	NMT– 0.001 %
Heavy metal (as Pb)	NMT– 0.001 %
Iron (Fe)	NMT– 0.002 %
Calcium (Ca)	NMT – 0.05 %
Sodium (Na)	NMT– 0.02 %
Potassium (K)	NMT – 0.005 %
Assay	NLT– 99.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

