

TIQ-F-QC-003
 Rev.00

Technical Data Sheet

BARIUM CHLORIDE DIHYDRATE 99 % AR

Barium dichloride dihydrate, Barium muriate dihydrate



Product Code	O-5041	Grade	Analytical Reagent
Purity	99%	CAS No	10326-27-9
Molecular Formula	BaCl ₂ ·2 H ₂ O	Molecular Weight	244.28 g/mol
H.S.Code	2827.3990	Shelf Life	60 Months

Physical Properties

Physical state	Powder	Melting point	113°C
Colour	White	Relative density	3.100 g/cm ³
pH	5,0 - 8,0 at 50 g/l at 25 °C	Water solubility	0.0001 g/l - slightly soluble

Packaging

500 gram

Specification

Appearance	White crystalline powder or crystals or chunks
Assay (complexometric)	min 99.0 %
Insoluble matter	max 0.005 %
pH (5% w/v solution in water; 25°C)	5.2 – 8.2
Oxidizing substances (as NO ₃)	max 0.005 %
Calcium (Ca)	max 0.05 %
Iron (Fe)	max 0.0002 %
Heavy metals (as Pb)	max 0.0005 %
Potassium (K)	max 0.0025 %
Sodium (Na)	max 0.005 %
Strontium (Sr)	max 0.1 %
Loss on drying at 150 °C	14.0 – 16.0 %

Safety Information and Hazard Symbols



Symbol: GHS06

Signal Word: Danger

UN No.: 1564

IMCO Class No.: 6.1

Packing Group: III

Hazardous Statement: H301-H319-H332

Precaution Statement: P261-P264-P270-P301+P310-P304+P340+P312-P305+P351+P338