



UNISOURCE CHEMICALS PRIVATE LIMITED

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AN ISO 9001:2015 & GMP CERTIFIED COMPANY

Product Information

TECHNICAL DATA SHEET / Specification Sheet

Bismuth nitrate pentahydrate

Molecular Formula	: $\text{Bi}(\text{NO}_3)_3 \cdot 5\text{H}_2\text{O}$
Molecular Weight	: 485.07
CAS No	: 10035-06-0
Synonym	: Bismuth (III) nitrate pentahydrate
Shelf Life	: 5 years

Technical Specification

Appearance	: Colourless or white deliquescent crystals or powder or chunks or solid
Solubility	: 33.3 mg soluble in 1 mL of dilute acid
Ammonium (NH_4)	: $\leq 0.0025\%$
Arsenic (As)	: $\leq 0.0001\%$
Chloride (Cl)	: $\leq 0.001\%$
Calcium (Ca)	: $\leq 0.005\%$
Copper (Cu)	: $\leq 0.001\%$
Iron (Fe)	: $\leq 0.001\%$
Lead (Pb)	: $\leq 0.005\%$
Magnesium (Mg)	: $\leq 0.001\%$
Potassium (K)	: $\leq 0.005\%$
Sodium (Na)	: $\leq 0.01\%$
Sulfate (SO_4)	: $\leq 0.02\%$
Water insoluble matter	: $\leq 0.003\%$
Assay (EDTA Titration)	: 98.00 - 102.00%