



Specification

Bismuth Nitrate ACS

Catalog Number: BN1002
CAS Number: 10035-06-0
Synonyms: Nitric Acid Bismuth (III) Salt, Bismuth trinitrato pentahydrate
Molecular Formula: $\text{Bi}(\text{NO}_3)_3 \cdot 5\text{H}_2\text{O}$
Molecular Weight: 485.07

Test	Specification
Description:	White powder or transparent crystals, hygroscopic
Identification:	Positive
Assay:	98.0% minimum
Substances not precipitated By H_2S :	0.10% maximum
Insoluble Matter:	0.005% maximum
Chloride (Cl):	0.001% maximum
Sulfate (SO_4):	0.005% maximum
Arsenic (AS):	0.001% maximum
Calcium (Ca):	0.005% maximum
Copper (Cu):	0.002% maximum
Iron (Fe):	0.001% maximum
Lead (Pb):	0.002% maximum
Potassium (K):	0.010% maximum
Sodium (Na):	0.020% maximum
Silver (Ag):	0.001% maximum

Approved:

Date: March 10, 2020

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