



Specification

Bismuth Trioxide Reagent

Catalog Number: BT1006
CAS Number: 1304-76-3
Synonyms: Bismuthtrioxide; Bismuthous oxide; Bismuth Yellow
Molecular Formula: Bi₂O₃
Molecular Weight: 465.96

Test	Specification
Description:	Yellow, heavy, odorless & tasteless powder
Identification:	Positive for Bi +3
Appearance in solution (HNO ₃):	Clear, colorless, free from foreign matter
Loss on drying (at 105 deg. C):	0.10% maximum
Assay (as Bi ₂ O ₃):	99.5% minimum
Substances not precipitated By NH ₄ OH:	0.5 % maximum
Arsenic (As):	0.0002% maximum
Chloride (Cl):	0.001% maximum
Sulfate (SO ₄):	0.002% maximum
Iron (Fe):	0.002% maximum
Copper (Cu):	0.002% maximum
Lead (Pb):	0.003% maximum
Silver (Ag):	0.0005% maximum
Nitrate (NO ₃):	0.05% maximum

Approved:

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