



## Specification

### Bismuth Subnitrate USP/NG

**Catalog Number:** BS1004  
**CAS Number:** 1304-85-4  
**Synonyms:** Bismuth hydroxide nitrate oxide; Basic bismuth nitrate  
**Molecular Formula:**  $\text{Bi}_5\text{O}(\text{OH})_9(\text{NO}_3)_4$   
**Molecular Weight:** 1461.99

Test	Specification
Description: Appearance in solution	White, odorless and tasteless powder
(HNO <sub>3</sub> ):	Clear, colorless, free from foreign matter
Identification:	To pass test
Loss on drying:	3.0% maximum
Assay (BiO <sub>3</sub> ):	79.0% minimum
Alkalies & Alkaline Earths:	0.5% maximum
Carbonate:	To pass test
Chloride (Cl):	0.035% maximum
Sulfate (SO <sub>4</sub> ):	To pass test
Copper, Silver, Lead:	To pass test
Arsenic (As):	8 ppm maximum
Ammonium Salts:	To pass test

Approved:

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