

# Bismuth Subgallate

30.07.07

USP, Ph. Eur.

<b>Nomenclature</b>	Basic Bismuth Gallate Gallic Acid Bismuth Basic Salt Bismuth Oxygallate Bismuth-dihydroxy-(3,4,5-trihydroxybenzoato-O-) Bismutum Subgallicum	
<b>Formula</b>	C <sub>7</sub> H <sub>7</sub> O <sub>7</sub> Bi	
<b>CAS Number</b>	99-26-3	
<b>Description</b>	Bright yellow powder, odorless and tasteless.	
<b>Specifications</b>		
	Identification A (Bi)	pass test
	Identification B (Gallate)	pass test
	Loss on drying	max. 7.0 %
	Limit of nitrate (NO <sub>3</sub> )	max. 0.2 %
	Arsenic (As)	max. 7.5 ppm
	Chloride (Cl)	max. 200 ppm
	Copper (Cu)	max. 50 ppm
	Lead (Pb)	max. 20 ppm
	Silver (Ag)	max. 25 ppm
	Alkalies and alkaline earths	max. 0.5 %
	Free Gallic acid	max. 0.5 %
	Bismuth Oxide (dry)	52.0 - 57.0 %
	Bismuth (Bi)	48.0 – 51.0 %
	Acidity	pass test

**Typical Properties** Solubility: Insoluble in water. Dissolves with decomposition in warm, moderately dilute mineral acids. Dissolves in alkali hydroxide solutions.  
Bulk density-tapped: appr. 0.5 g/cm<sup>3</sup>  
Molecular Weight: 412

**Container** 25 kg Fiber Drum

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