

# Bismuth Subcarbonate

30.07.07

USP, Ph. Eur.

<b>Nomenclature</b>	Basic Bismuth Carbonate Bismuth Oxycarbonate Bismuth Carbonate Oxide Bismutum Subcarbonicum	
<b>Formula</b>	$(\text{BiO})_2\text{CO}_3$	
<b>CAS Number</b>	5892-10-4	
<b>Description</b>	White to pale yellowish powder, odorless and tasteless.	
<b>Specifications</b>	Bismuth (Bi)	80.0 - 82,5 %
	Bismuth Subcarbonate	97.6 - 100.7 %
	Nitrate ( $\text{NO}_3$ )	max. 0.4 %
	Loss on drying	max. 1.0 %
	Alkalies	max. 1.0 %
	Chloride (Cl)	max. 500 ppm
	Copper (Cu)	max. 50 ppm
	Lead (Pb)	max. 20 ppm
	Silver (Ag)	max. 25 ppm
	Arsenic (As)	max. 5 ppm
	Appearance of solution	< Ref. II
<b>Typical Properties</b>	Solubility: Insoluble in water. Soluble in mineral acids.	
	Bulk density-tapped:	Light form: max. $0.5 \text{ g/cm}^3$ Heavy form: min. $0.5 \text{ g/cm}^3$
	Density: appr.	$8.0 \text{ g/cm}^3$
	Molecular Weight:	510
<b>Container</b>	25 kg Fiber Drum	

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