

# Product Data Sheet

## Bismuth Subcarbonate

### Light, Medium and Heavy

UPDATED ON 2018-05-01

Nomenclature:	Basic Bismuth Carbonate Bismuth Carbonate Oxide	Bismuth Oxycarbonate Bismutum Subcarbonicum
Formula:	$(\text{BiO})_2\text{CO}_3$	
CAS Number:	5892-10-4	
EINECS Number:	227-567-9	

### Chemical Data:

	Specification Ph. Eur. 9.0	Specification USP 41
Identities	positive	positive
Bismuth, dry	80.0 – 82.5 %	-
$(\text{BiO})_2\text{CO}_3$ , dry	-	97.6 - 100.7 %
Nitrates	max. 0.4 %	max. 0.4 %
Chlorides	max. 500 ppm	max. 500 ppm
Copper	max. 50 ppm	max. 50 ppm
Silver	max. 25 ppm	max. 25 ppm
Lead	max. 20 ppm	max. 20 ppm
Arsenic	max. 5 ppm	max. 5 ppm
Loss on drying	max. 1.0 %	max. 1.0 %
Alkalies and alkaline earths	max. 1.0 %	max. 1.0 %
Appearance of solution	< Reference II/ colourless	-

### Morphological and Physical Data:

	Specification	Typical value
Particle size: d50 (Helos/Rodos)		1 - 2 $\mu\text{m}$
Appearance		white or almost white powder
Tapped density: light medium heavy		< 0.5 $\text{g}/\text{cm}^3$ 0.5 – 0.8 $\text{g}/\text{cm}^3$ > 0.8 $\text{g}/\text{cm}^3$
Density (theor.)	6.9 – 8.3 $\text{g}/\text{cm}^3$	
Molecular weight	509.97	

### Regulatory Information:

BSE/TSE	Product does not contain ingredients or is produced by raw materials of animal origin
GMO	Product does not contain ingredients or is produced by raw materials containing GMOs
Residual solvents	Product does not contain residual solvents
REACH	Product is preregistered acc. to REACH-regulation

### Particle Size Distribution:

