

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	Typical value
Identities	positive	positive
$(\text{BiO})_2\text{CO}_3$, dry	96.5 –99.5 %	97.3 %
NO_3	max. 0.4 %	0.3 %
Cl	max. 500 ppm	< 500 ppm
Cu	max. 50 ppm	< 5 ppm
Ag	max. 25 ppm	< 10 ppm
Pb	max. 20 ppm	< 10 ppm
As	max. 5 ppm	< 5 ppm
Loss on drying	max. 1.0 %	0.3 %
Alkalies and alkaline earths	max. 1.0 %	0.5 %

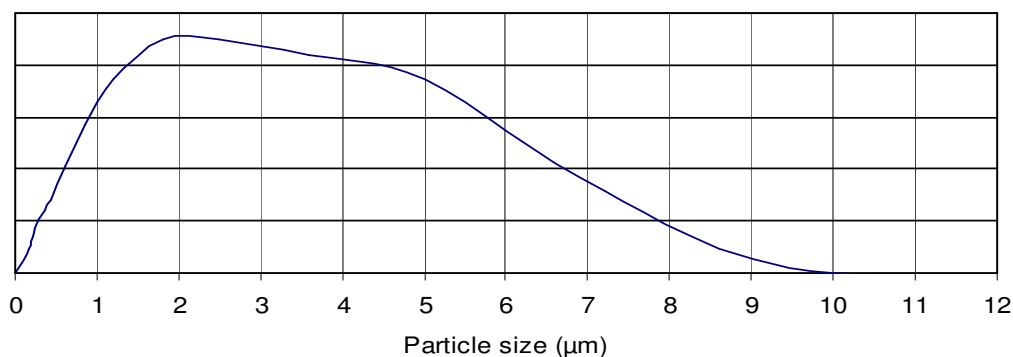
Morphological and Physical Data:

	Specification	Typical value
Particle size: D50 (Helos/Rodos)		1.5 μm
Appearance	white to pale yellow powder	
Tapped density		0.4 g/cm^3
Density (theor.)	6.9–8.3 g/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:



Do not use this product for oral dosage forms!

Due to a special manufacturing procedure the product shows an improved thermal stability. Decomposition to yellow bismuth oxide occurs at temperatures higher than for standard bismuth subcarbonate. This makes the TS grade ideal for applications where high temperatures are needed, i. e. for fillers for plastics.