

Nomenclature:	Bismuth nitrate Crystalline bismuth nitrate	Bismuth, trinitrato, pentahydrate
Formula:	$\text{Bi}(\text{NO}_3)_3 \times 5 \text{H}_2\text{O}$	
CAS Number:	10361-44-1, 10035-06-0	
EINECS Number:	233-791-8	

Chemical Data:

	Specification	Typical value
Bismuth	min. 42.7 %	42.9 %
Pb	max. 50 ppm	< 5 ppm
Fe, Cu, Na	max. 20 ppm	< 5 ppm
Ag	max. 10 ppm	< 5 ppm
Cl	max. 10 ppm	< 10 ppm
SO ₄	max. 50 ppm	< 50 ppm

Morphological and Physical Data:

	Specification	Typical value
Appearance		whitish crystals
Solubility		decomposes in water
Density (theor.)	appr. 2.8 g/cm ³	
Molecular weight	485.07	

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 registered acc. to REACH-regulation (10361-44-1)