

Nomenclature:	Bismuth Hydroxide Nitrate Oxide Bismuth Oxynitrate	Basic Bismuth Nitrate Bismuthyl Nitrate
Formula:	4(BiNO ₃ (OH) ₂),BiO(OH)	
CAS Number:	1304-85-4	
EINECS Number:	233-792-3	

Chemical Data:

	Specification Ph. Eur. 9.0	Specification USP 41
Identification	positive	positive
Bismuth, dry	71.0 – 74.0 %	-
Bi ₂ O ₃ , dry	-	min. 79.0 %
Acidity	max. 0.5 ml	-
Chloride	max. 200 ppm	max. 350 ppm
Copper	max. 50 ppm	pass test
Silver	max. 25 ppm	pass test
Lead	max. 20 ppm	pass test
Loss on drying	max. 3.0 %	max. 3.0 %
Subst. not prec. by ammonia	max. 1.0 %	-
Carbonate	-	pass test
Limit of ammonium salts	-	pass test
Arsenic	-	max. 8 ppm
Limit of alkal. a. alkaline earths	-	max. 0.5 %
Sulfate	-	pass test

Morphological and Physical Data:

	Specification	Typical value
Particle size: d50 (Helos/Rodos)		2 - 4 µm
Appearance		white powder
Tapped density:		
Light	max. 1 g/cm ³	0.9 g/cm ³
Heavy	min. 1 g/cm ³	1.2 g/cm ³
Density (theor.)	4.9 g/cm ³	
Molecular weight	1462	

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

Particle Size Distribution:

