Chemische Werke Hommel GmbH & Co. KG

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Specification

Concerning Product:	
Article number	37520
Trade name / designation / denomination	Wismuth Subcarbonat
CAS number	5892-10-4
Other names / synonyms	•2,4-Dioxa-1,5-dibismapentane, 1,3,5-trioxo-; •Bismuth(III) carbonate basic; •Dibismuth carbonate dioxide; •[carbonylbis(oxy)]bis[oxo-Bismuthine]; •bismuth carbonate, basic; •carbonic acid bis(oxobismuthinyl) ester; •dibismuth carbonate dioxide;
EC number	227-567-9
Customs tariff number / CN code / TARIC	28369917
Molecular weight [g / mol]	509.96846
Formula	CBi_2O_5

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	< Ref. II and colourless	
Colour	white or almost white	
Physical parameter		
Form	powder	
Loss on drying	≤ 1,0	%
Solubility	in ethanol: practically soluble	
Solubility	in water: practically insoluble	
Solubility	It dissolves with effervescence in mineral acids.	
Tamped density	(*) 0,5 – 0,8	g/ml
Identity		
Assay	Bi: 80,0 – 82,5	%
Assay	CBi_2O_5: 97,6 – 100,7	%
Identification	EP (A, B): complies	
Identification	USP: complies	
Impurities		
Free Alkali ($Ca(OH)_2$)	≤ 1,0	%
Nitrates	≤ 0,4	%

Residual Solvents		
Residual solvents	Product does not contain residual solvents	
Elemental Impurities		
Silver (Ag)	≤ 25	ppm
Arsenic (As)	≤ 5	ppm
Chlorides (Cl)	≤ 500	ppm
Copper (Cu)	≤ 50	ppm
Lead (Pb)	≤ 20	ppm
Particle size distribution		
Particles	d50 (Helos/Rodos) 1 – 2	µm

Annotation:
* only available as a typical value

Regulatory information:

BSE/TSE statement: Product does not contain ingredients or is produced by raw materials of animal origin.

GMO statement: Product does not contain ingredients or is produced by raw materials containing GMOs

REACh registration: Product is registered acc. to REACH-regulation.

Supplemental information:

Shelf life: 5 years

Note: This product is manufactured in accordance with GMP rules (ICH Q7). It complies with the compendial requirements of the USP and Ph. Eur. monograph for bismuth subcarbonate.

Regional origin: D

Chemische Werke Hommel GmbH & Co.KG
This document was generated electronically and is valid without signature.
Waltrop, 24. Apr. 2025

LF-Basis: (2024-05-01)

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