



Spezifikation

Produktbezug:	
Produktnummer	1314132MPEU
Handelsname / Bezeichnung	Zinkoxid, EP, USP
CAS Nummer	1314-13-2
Andere Bezeichnungen / Synonyme	•Zinkoxid; •zinc oxide; •oxozinc; •ZINC OXIDE, ACS; •Zinc Oxide, FCC; •Zinc Oxide, Powder, Reagent, ACS; •Zinc Oxide, Technical; •Zinc Oxide, USP; •Zinc oxide; •Zinc oxide, dispersion; •Zinc oxide, (metals basis); •Zinc oxide, 99. (metals basis); •Zinc oxide, ACS, 99. min; •Zinc oxide, Puratronic, 99. (metals basis); •Zinc oxide, heavy; •Zinkoxid;
EG Nummer	215-222-5
EG-Index-Nummer	030-013-00-7
Zolltarifnummer / CN-Code	28170000
Molekulargewicht [g/mol]	81,39
Formel	ZnO
Sehr giftig für Wasserorganismen mit langfristiger Wirkung. Freisetzung in die Umwelt vermeiden.	

Parameter	Spezifikation	Einheit
Sensorische Prüfung		
Aussehen	softes, weißes oder schwach gelb-weißes, amorphes Pulver, frei von grobkörnigen Partikeln	
Physikalische Parameter		
Säuregehalt	entspricht	
Trocknungsverlust	≤ 0,2	%
pH-Wert	7,3 – 7,5	
Löslichkeit	(in HCl): ≥ 99,9 %	
Löslichkeit	praktisch unlöslich in Wasser und Alkohol, löslich in verdünnten Mineralsäuren	
Spezifische Oberfläche	3,5 – 7,0	m²/g
Spezifisches Gewicht	5,5 – 5,7	g/cm³
Identifikation		
Gehalt	99 – 100,5	%
Identifizierung	entspricht	

Verunreinigungen		
Glührückstand	≤ 0,2	%
Schwermetalle (als Pb)	entspricht	
Unlösliche Verunreinigungen	Carbonat und Aussehen der Lösung: entspricht	
Löslicher Anteil	in H ₂ O: ≤ 0,1	%
Verunreinigung	≤ 0,1	%
Flüchtige Stoffe	≤ 0,2	%
Elementare Verunreinigungen		
Arsen (As)	≤ 1	ppm
Cadmium (Cd)	≤ 10	ppm
Chloride (Cl)	≤ 5	ppm
Kupfer (Cu)	≤ 2	ppm
Eisen (Fe)	≤ 5	ppm
Mangan (Mn)	≤ 1	ppm
Nickel (Ni)	≤ 1	ppm
Blei (Pb)	(EP): ≤ 20	ppm
Blei (Pb)	(USP): entspricht	
Schwefel (S)	≤ 7	ppm
Partikelgrößenverteilung		
Partikel	≤ 99,9	%

Zusätzliche Angaben:

Freigabe des Herstellers: 2018-06-29

Verpackung: 25 kg Säcke

Version des Herstellers: 2

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 27. Feb. 2019

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