

Product Datasheet: Zinc Oxide USP/EP/BP

C.A.S Number: 1314-13-2

Formula: ZnO

Mol Wt: 81.406 g/mol

1. CHEMICAL ANALYSIS

ELEMENTS	TYPICAL (%)	GUARANTEED (%)
ZnO	99,9	99,9 min
Total impurities	0,09	0,1 max
Pb (including PbO)	0,0006 – 0,0016	0,0020 max
Cu	< 0,0001 – 0,0001	0,0002 max
Cd	0,0002 – 0,0006	0,0010 max
Fe	0,0001 – 0,0002	0,0005 max
Cl	0,0003 – 0,0004	0,0005 max
S	0,0001 – 0,0002	0,0007 max
Mn	< 0,0001	0,0001 max
As	< 0,0001	0,0001 max
Ni	< 0,0001	0,0001 max

2. PHYSICAL PROPERTIES

DESCRIPTION	TYPICAL	GUARANTEED
pH	7,4	7,3 – 7,5
Volatile materials %	0,10 – 0,16	0,2 max
Ignition loss %	0,02 – 0,2	0,2 max
Water soluble elements %	0,05 – 0,09	0,10 max
Solubility in HCl %	99,9	99,9 min
Specific weight g/cm ³	5,6	5,6
Moisture %	0,07 – 0,14	0,2 max
Surface area BET method m ² /g	3,7 – 6,0	3,5 – 7
Mesh 325 % through	99,98	99,9 min

Packages

Supplied in 25kg.

Packages supplied meet with UN performance standards where appropriate.