Glentham LIFE SCIENCES

Glentham Life Sciences Ltd Unit 5 Leafield Way Corsham SN13 9SW United Kingdom

- t: +44 (0) 1225 667 798
- f: +44 (0) 2033 978 909
- e: info@glentham.com

w: www.glentham.com

Product Specification

O = Zn

Product Name	Zinc oxide, 99.5%, Ph. Eur., USP grade
Glentham Code	GX9610
CAS Number	1314-13-2
EINECS	215-222-5
MDL Number	MFCD00011300
Molecular Weight	81.37
Molecular Formula	ZnO
Storage Temp.	+20°C

Physical DescriptionWhite powderIdentificationTo pass Ph. Eur., USP testsAlkalinity< 0.3ml (of 0.1M HCl)Carbonate and Colour of SolutionTo pass testFree AlkaliTo pass testCarbonateTo pass testAcid Insoluble Substances< 0.001% (in HCl)Loss on Ignition< 1.0% (500°C)Arsenic (As)< 6ppmCarbonate (Cd)< 20ppmIcon (Fe)< 10pmIcon (Fe)< 3ppmAsay90.0 - 100.5% (ZnCocalculated on ignited substances)	Property	Specification
Alkalinity< 0.3ml (of 0.1M HCl)Carbonate and Colour of SolutionTo pass testFree AlkaliTo pass testCarbonateTo pass testAcid Insoluble Substances< 0.001% (in HCl)	Physical Description	White powder
Carbonate and Colour of SolutionTo pass testFree AlkaliTo pass testCarbonateTo pass testAcid Insoluble Substances<0.001% (in HCl)	Identification	To pass Ph. Eur., USP tests
Free AlkaliTo pass testCarbonateTo pass testAcid Insoluble Substances< 0.001% (in HCI)	Alkalinity	≤ 0.3ml (of 0.1M HCl)
CarbonateTo pass testAcid Insoluble Substances< 0.001% (in HCl)	Carbonate and Colour of Solution	To pass test
Acid Insoluble Substances< 0.001% (in HCl)Loss on Ignition< 1.0% (500°C)	Free Alkali	To pass test
Loss on Ignition< 1.0% (500°C)	Carbonate	To pass test
Arsenic (As)< 6ppmLead (Pb)< 20ppm	Acid Insoluble Substances	≤ 0.001% (in HCl)
Lead (Pb) ≤ 20pm Cadmium (Cd) ≤ 10ppm Iron (Fe) ≤ 5ppm Copper (Cu) ≤ 3ppm Assay 99.0 - 100.5 % (ZnO calculated on ignited substance)	Loss on Ignition	≤ 1.0% (500°C)
Cadmium (Cd)≤ 10ppmIron (Fe)≤ 5ppmCopper (Cu)≤ 3ppmAssay99.0 - 100.5 % (ZnO calculated on ignited substance)	Arsenic (As)	≤ 6ppm
Iron (Fe)≤ 5ppmCopper (Cu)≤ 3ppmAssay99.0 - 100.5 % (ZnO calculated on ignited substance)	Lead (Pb)	≤ 20ppm
Copper (Cu) ≤ 3ppm Assay 99.0 - 100.5 % (ZnO calculated on ignited substance)	Cadmium (Cd)	≤ 10ppm
Assay 99.0 - 100.5 % (ZnO calculated on ignited substance)	Iron (Fe)	≤ 5ppm
	Copper (Cu)	≤ 3ppm
	Assay	99.0 - 100.5 % (ZnO calculated on ignited substance)
Pharmacopoeia Specification(s) Ph. Eur., USP	Pharmacopoeia Specification(s)	Ph. Eur., USP

Specification Version	-	v1.0
Date Created	-	2019-02-05

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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