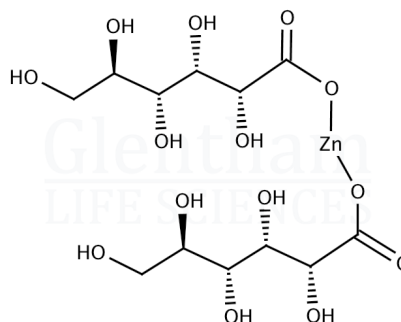


Certificate of Analysis

Product Name Gluconic acid zinc(II) salt
Glentham Code GC6411
CAS Number 4468-02-4
EINECS 224-736-9
MDL Number MFCD00868110
PubChem SID 310274153
Batch Number 355HSM

Molecular Weight 455.69 (anhydrous)
Molecular Formula $C_{12}H_{22}O_{14}Zn \cdot xH_2O$
Storage Temp. +20°C



Property	Specification	Batch 355HSM
Physical Description	Colourless crystals to white crystalline powder	White crystalline powder
Identification	A, B according to USP	Conforms
Solubility (2% in water)	Clear, colourless solution	Clear, colourless solution
pH (1% in water)	5.5 - 7.5	6.6
Chloride	≤ 0.05%	≤ 0.05%
Sulphate	≤ 0.05%	≤ 0.05%
Cadmium (Cd)	≤ 1ppm	0.22ppm
Lead (Pb)	≤ 5ppm	0.52ppm
Mercury (Hg)	≤ 1ppm	≤ 0.1ppm
Arsenic (As)	≤ 2ppm	≤ 1ppm
Organic Impurities	≤ 1.0%	0.08%
Water	≤ 11.6%	2.15%
Zinc (Zn)	12.90 - 13.56 % (as hydrate)	13.00%
Assay	97.0 - 102.0 % (anhydrous basis)	100.43%
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version v1.0
Manufacture Date 2021-05-08
Re-Test Date 2031-07-01

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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