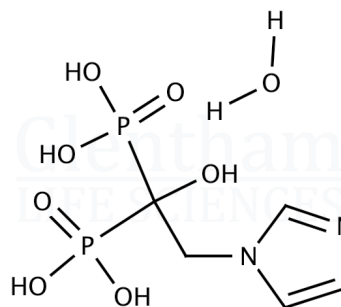


Certificate of Analysis

Product Name	Zoledronic acid monohydrate
Glentham Code	GP8685
CAS Number	165800-06-6
MDL Number	MFCD08448695
PubChem SID	310281945
Additional CAS	118072-93-8 (anhyd.)
Batch Number	851VGK

Molecular Weight	290.10
Molecular Formula	$C_5H_{10}N_2O_7P_2 \cdot H_2O$
Storage Temp.	+4°C



Property	Specification	Batch 851VGK
Physical Description	White to off-white crystalline powder	Conforms
Assay	≥ 98.0% (dried basis)	99.5%
pH	2.0 - 4.0	2.3
Related Substances	Any Individual Impurity: ≤ 0.5%	0.08%
	Total Impurities: ≤ 1.0%	0.14%
Loss on Drying	5.0 - 8.0 %	6.3%
Chloride (Cl)	≤ 0.02%	Conforms
Phosphate	≤ 0.5%	Conforms
Phosphite	≤ 0.5%	0.24%
Heavy Metals	≤ 10ppm	Conforms

Specification Version	v1.0
Manufacture Date	2016-09-02
Re-Test Date	2025-10-28

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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