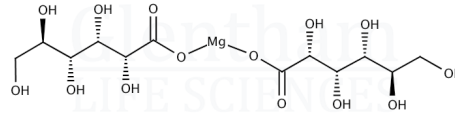


## Certificate of Analysis

Product Name Magnesium gluconate, USP grade  
Glentham Code GX4157  
CAS Number 3632-91-5  
EINECS 222-848-2  
MDL Number MFCD00150971  
Batch Number 359ORS

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Molecular Weight 414.60 (anhydrous)  
Molecular Formula  $C_{12}H_{22}MgO_{14} \cdot xH_2O$   
Storage Temp. +20°C



Property	Specification	Batch 359ORS
Physical Description	White to off-white powder	White powder
Identification	A, B according to USP	Conforms
pH	6.0 - 7.8	6.7
Chloride	≤ 0.05%	Conforms
Sulphate	≤ 0.05%	Conforms
Heavy Metals	≤ 20ppm	Conforms
Reducing Substances	≤ 1.0%	0.13%
Water	3.0 - 12.0 %	11.7%
Assay	98.0 - 102.0 % (anhydrous basis)	101.6%
Pharmacopoeia Specification(s)	USP	Conforms to USP

Specification Version	v1.0
Manufacture Date	2019-03-28
Re-Test Date	2029-05-10

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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