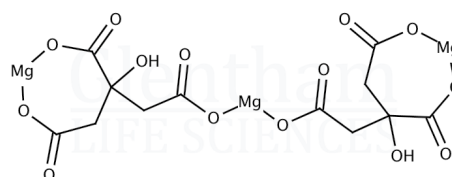


## Certificate of Analysis

Product Name	Magnesium citrate tribasic hydrate
Glentham Code	GK3304
CAS Number	3344-18-1
EINECS	222-093-9
PubChem SID	310275961
Additional CAS	7779-25-1 (anhydr.)
Batch Number	132NOJ
Molecular Weight	451.13 (anhydrous)
Molecular Formula	$C_{12}H_{10}Mg_3O_{14} \cdot xH_2O$
Storage Temp.	+20°C



Property	Specification	Batch 132NOJ
Physical Description	White to off-white crystalline powder	White crystalline powder
Identification	A, B according to USP	Conforms
pH (5% in water)	5.0 - 9.0	6.7
Chloride	≤ 0.05%	Conforms
Sulphate	≤ 0.2%	Conforms
Iron (Fe)	≤ 200ppm	Conforms
Arsenic (As)	≤ 3ppm	Conforms
Calcium (Ca)	≤ 1.0%	0.009%
Heavy Metals (as Pb)	≤ 50ppm	Conforms
Lead (Pb)	≤ 0.5ppm	≤ 0.01ppm
Loss on Drying	≤ 29.0%	25.2%
Assay (Mg)	14.5 - 16.4 % (dried basis)	15.4%
Pharmacopoeia Specification(s)	USP	Conforms to USP

Specification Version	v1.0
Manufacture Date	2015-03-13
Re-Test Date	2029-02-23

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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