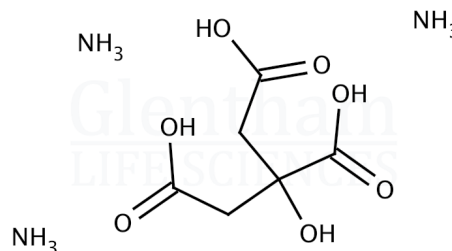


Certificate of Analysis

Product Name	Ammonium citrate tribasic
Glentham Code	GL7832
CAS Number	3458-72-8
EINECS	222-394-5
MDL Number	MFCD00036406
PubChem SID	310266777
Batch Number	647BER
Molecular Weight	243.22
Molecular Formula	$C_6H_{17}N_3O_7$
Storage Temp.	+20°C



Property	Specification	Batch 647BER
Physical Description	Colourless crystals or white crystalline powder	White crystalline powder
Assay	≥ 98.0%	100.2%
Identification	To pass tests for ammonia and citrate	Conforms
Solubility (10% in water)	Clear, colourless solution	Clear, colourless solution
pH (10% in water)	6.5 - 8.5	7.1
Chloride (Cl)	≤ 10ppm	≤ 10ppm
Iron (Fe)	≤ 1ppm	0.66ppm
Calcium (Ca)	≤ 10ppm	0.99ppm
Chromium (Cr)	≤ 1ppm	0.16ppm
Lithium (Li)	≤ 1ppm	0.1ppm
Magnesium (Mg)	≤ 5ppm	1.2ppm
Nickel (Ni)	≤ 1ppm	0.1ppm
Sodium (Na)	≤ 5ppm	0.5ppm
Lead (Pb)	≤ 1ppm	0.01ppm

Specification Version	v1.0
Manufacture Date	2019-09-09
Re-Test Date	2030-06-07

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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