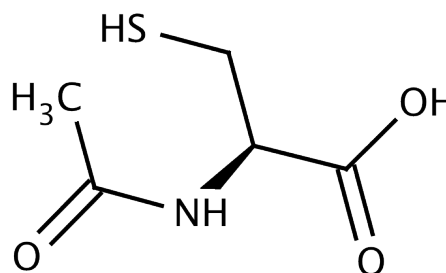


Product Specification

Product Name	N-Acetyl-L-cysteine
Glentham Code	GM8803
CAS Number	616-91-1
EINECS	210-498-3
MDL Number	MFCD00004880
PubChem SID	310265502
Molecular Weight	163.20
Molecular Formula	C ₅ H ₉ NO ₃ S
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystalline powder or colourless crystals
Identification	According to EP
Solubility (5% in water)	Clear, colourless solution
Specific Optical Rotation	21.0 - 27.0 °
pH	2.0 - 2.8
Related Substances	Any Specified Impurity: ≤ 0.5%
	Total Impurities: ≤ 0.5%
Heavy Metals	≤ 10ppm
Zinc (Zn)	≤ 10ppm
Loss on Drying	≤ 1.0%
Sulphated Ash	≤ 0.2%
Lead (Pb)	≤ 3ppm
Arsenic (As)	≤ 1ppm
Mercury (Hg)	≤ 0.1ppm
Cadmium (Cd)	≤ 1ppm
Assay	99.0 - 101.0 % (dried basis)
Pharmacopoeia Specification(s)	EP

Specification Version	-	v1.1
Date Created	-	2015-01-30

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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