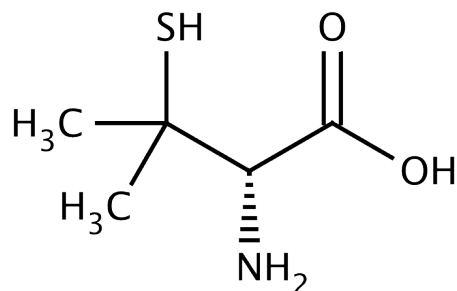


Product Specification

Product Name : D-Penicillamine, USP grade
Glentham Code : GA5612
CAS Number : 52-67-5
EINECS : 200-148-8
MDL Number : MFCD00064302
PubChem SID : 310278558

Molecular Weight : 149.21
Molecular Formula : C₅H₁₁NO₂S
Storage Temp. : +4°C



Property	Specification
Physical Description	White to off-white powder or solid
Assay	97.0 - 102.0 %
Specific Optical Rotation	-60.5 - -64.5 °
pH	4.5 - 5.5
Loss on Drying	≤ 0.5%
Residue on Ignition	≤ 0.1%
Heavy Metals	≤ 20ppm
Mercury (Hg)	≤ 20ppm
Limit of Penicillin Activity	≤ 200IU/mg
Organic Impurities	Penicillamine disulfide: ≤1.0%
Residual Solvents	n-Butanol: ≤ 5000ppm, Methanol: ≤ 3000ppm
Pharmacopoeia Specification(s)	USP

Specification Version : v1.0
Date Created : 2014-04-10

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 or contact us using the details above for the current version of this document.

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