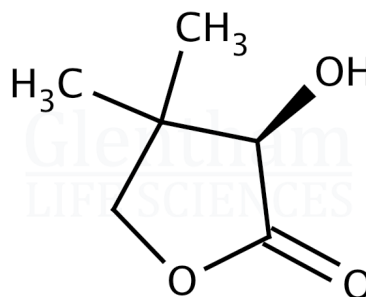


Certificate of Analysis

Product Name	D-(-)-Pantolactone
Glentham Code	GX9487
CAS Number	599-04-2
MDL Number	MFCD00216625
Batch Number	291ZFG

Molecular Weight	130.14
Molecular Formula	$C_6H_{10}O_3$
Storage Temp.	+20°C



Property	Specification	Batch 291ZFG
Physical Description	Colourless crystals or white crystalline powder	Colourless crystals
Specific Optical Rotation ($[\alpha]_{20/D}$)	-53.0 - -49.0 ° (c=2, water)	-52.5 °
Residue on Ignition	≤ 0.1%	0.01%
Water	≤ 0.5%	≤ 0.1%
Assay	99.0 - 101.0 %	99.2%

Specification Version	v1.0
Manufacture Date	2022-01-03
Re-Test Date	2030-02-04

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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