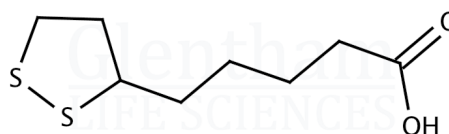


Product Specification

Product Name	DL-alpha-Lipoic acid, USP grade
Glentham Code	GK1941
CAS Number	1077-28-7
EINECS	214-071-2
MDL Number	MFCD00005474
Molecular Weight	206.33
Molecular Formula	$C_8H_{14}O_2S_2$
Storage Temp.	+4°C



Property	Specification
Physical Description	Pale yellow to dark yellow powder
Identification	A, B, according to USP
Residue on Ignition	≤ 0.1%
Heavy Metals	≤ 10ppm
Any Individual Impurity	≤ 0.1%
Total Impurities	≤ 2.0%
Chromatographic Purity	To pass test
Melting Point	60.0 - 62.0 °C
Specific Optical Rotation ($[\alpha]_{20/D}$)	-1.0 - +1.0 ° (c=5, ethanol)
Loss on Drying	≤ 0.2% (40°C, 3h)
Assay	99.0 - 101.0 % (dried basis)
Pharmacopoeia Specification(s)	USP

Specification Version	-	v1.0
Date Created	-	2019-12-08

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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