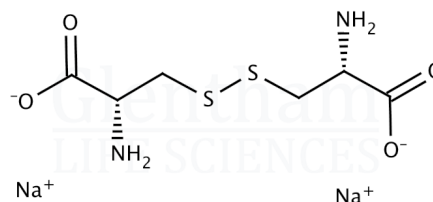


Certificate of Analysis

Product Name	L-Cystine disodium salt
Glenthams Code	GE3746
CAS Number	64704-23-0
EINECS	265-025-3
MDL Number	MFCD00037206
PubChem SID	310270769
Batch Number	502WQB
Molecular Weight	284.30
Molecular Formula	$C_6H_{10}N_2Na_2O_4S_2$
Storage Temp.	+20°C



Property	Specification	Batch 502WQB
Physical Description	White to off-white or pale yellow-brown crystalline powder	Off-white powder
Solubility (1% in water)	Clear, colourless to very faint yellow solution	Clear, colorless solution
pH (1% in water)	10.0 - 11.0	10.9
Specific Optical Rotation ($[\alpha]_{20/D}$)	-165.0 - -178.0 ° (c=2, 1M HCl)	-176.8°
Loss on Drying	≤ 2.0% (70°C, 1h)	0.6%
Assay	≥ 98.0%	99.2%

Specification Version	v1.0
Manufacture Date	2023-08-10
Re-Test Date	2031-07-03

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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