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## **Certificate of Analysis**

roduct Name	L-Serine		
ilentham Code	GM1114		0
AS Number	56-45-1		11
INECS	200-274-3		
IDL Number	MFCD00064224	4	$\land \downarrow$
ubChem SID	310279962	н	
atch Number	755XSL		SLIFE SCIENCES
blecular Weight	105.09		
lecular Formula	C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub>		NH <sub>2</sub>
orage Temp.	+20°C		2
operty		Specification	Batch 755XSL
sical Description		White crystals or crystalline powd	er White crystalline powder
ntification (IR)		To conform to standard	Conforms
ubility (5% in water)		Clear, colourless solution	Conforms
pecific Optical Rotation ([α]20/D)		+14.0 - +15.6 °	+15.4°
oride		≤ 0.05%	Conforms
phate		≤ 0.03%	Conforms
(Fe)		≤ 30ppm	Conforms
avy Metals (as Pb)		≤ 15ppm	Conforms
Individual Impurity		≤ 0.5%	Conforms
al Impurities		≤ 2.0%	Conforms
sidue on Ignition		≤ 0.1%	0.0%
s on Drying		≤ 0.2%	0.02%
ay		98.5 - 101.5 % (dried basis)	100.1%
armacopoeia Specifica	ation(s)	USP	Conforms to USP

v1.1
2021-05-30
2030-02-04

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