



## CERTIFICATE OF ANALYSIS

### L-SERINE

Assay (C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub> ) (dried basis)	98.5 - 101.5 %
Identification	Passes Test
Specific Rotation [α] <sup>25</sup> <sub>D</sub>	14.0 - 15.6 °
Loss on Drying at 105°C	max. 0.2 %
Residue on Ignition	max. 0.1 %
Chloride (Cl)	max. 0.05 %
Sulfate (SO <sub>4</sub> )	max. 0.03 %
Iron (Fe)	max. 0.003 %
Chromatographic Purity:	
Individual Impurities	max. 0.5 %
Total Impurities	max. 2.0 %
Heavy Metals (as Pb)	max. 0.0015 %

