



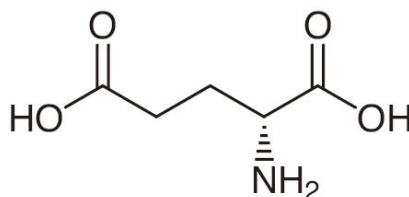
## Certificate of Analysis.

### D-Glutamic acid reference standard, Anstan<sup>®</sup>.

Product code:	<b>BS13959.</b>
Description:	<b>D-Glutamic acid reference standard, Anstan<sup>®</sup>.</b>
Chemical Name:	<b>H-D-Glu-OH.</b>
Pack:	<b>1 gm.</b>
CAS NO.:	<b>6893-26-1.</b>
Mol. Weight:	<b>147.13 g/mol.</b>
Mol. Formula:	<b>C<sub>5</sub>H<sub>9</sub>NO<sub>4</sub>.</b>
MDL Number:	<b>MFCD00063112.</b>
Melting point:	<b>201°C.</b>
Boiling Point:	<b>333.8°C.</b>
Density:	<b>1.4 g/cm<sup>3</sup>.</b>
Solubility:	<b>Soluble in water.</b>
Storage:	<b>Store at ambient temperature.</b>
LOT NO.:	<b>Sample.</b>
Manufacture Date:	<b>Lot specific.</b>
Expiry Date:	<b>5 years.</b>

Test	Specification	Measured Values
Appearance:	White powder to crystal.	<b>Lot specific.</b>
Specific rotation:	-30.0 to -33.0 ° (C=5, HCl(1+5)).	<b>Lot specific.</b>
Identification by NMR:	Confirms to the structure.	<b>Lot specific.</b>
Identification by MASS:	Confirms to the structure.	<b>Lot specific.</b>
Identification by IR:	Confirms to the structure.	<b>Lot specific.</b>
Assay by Titration:	>99%.	<b>Lot specific.</b>

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.




**Dr. K. Deepti.**  
Technical Head.

