



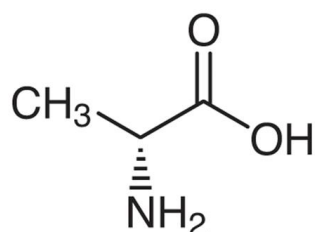
Certificate of Analysis.

D-Alanine reference standard, Anstan[®].

Product code:	BS13963.
Description:	D-Alanine reference standard, Anstan[®].
Chemical Name:	D-2-Aminopropionic Acid.
Pack:	5 gm.
CAS NO.:	338-69-2.
Mol. Weight:	89.09 g/mol.
Mol. Formula:	C₃H₇NO₂.
MDL Number:	MFCD00008077.
Melting point:	291 °C.
Boiling Point:	212.9 °C.
Density:	1.4310 g/cm³.
Solubility:	Soluble in water.
Storage:	Store at ambient temperature.
LOT NO.:	Sample.
Manufacture Date:	Lot specific.
Expiry Date:	5 years.

Test	Specification	Measured Values
Appearance:	White powder to crystal.	Lot specific.
Specific rotation (α):	-13.5° to -15.5 ° (C=5, N HCl).	Lot specific.
Identification by NMR:	Confirms to the structure.	Lot specific.
Identification by MASS:	Confirms to the structure.	Lot specific.
Identification by IR:	Confirms to the structure.	Lot specific.
Assay by Titration:	>99%.	Lot specific.

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.

