



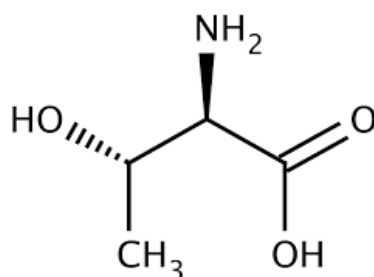
Certificate of Analysis.

D-(-)-Threonine reference standard, Anstan[®].

Product code:	BS13962.
Description:	D-(-)-Threonine reference standard, Anstan[®].
Chemical Name:	(2R,3S)-2-Amino-3-hydroxybutanoic Acid.
Pack:	1 gm.
CAS NO.:	632-20-2.
Mol. Weight:	119.12 g/mol.
Mol. Formula:	C₄H₉NO₃.
MDL Number:	MFCD00064269.
Melting point:	274 °C.
Boiling Point:	345.8 °C.
Density:	1.3 g/cm³.
Solubility:	Water (Sparingly, Sonicated).
Storage:	Store at ambient temperature.
LOT NO.:	Sample.
Manufacture Date:	Lot specific.
Expiry Date:	5 years.

Test	Specification	Measured Values
Appearance:	White to Off-White Solid.	Lot specific.
Specific Optical Rotation (α):	+26.0 - +30.0 ° (C=1, water).	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.
TGA:	<1 %.	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.

