

Certificate of Analysis.

D-(+)-Lysine reference standard, Anstan®.

Product code:	BS13969.
Description:	D-(+)-Lysine reference standard, Anstan®.
Chemical Name:	D-Lysine.
Pack:	500 mg.
CAS NO.:	923-27-3.
Mol. Weight:	146.19 g/mol.
Mol. Formula:	C₆H₁₄N₂O₂.
MDL Number:	MFCD00008234.
Melting point:	218°C.
Boiling Point:	311.5°C.
Density:	1.125 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:	Yellow Solid.	Lot specific.
Identification by NMR:	Confirms to the structure.	Lot specific.
Specific rotation (α):	-12.0° to -16.0° (C=1 in H ₂ O).	Lot specific.
Identification by MASS:	Confirms to the structure.	Lot specific.
Identification by IR:	Confirms to the structure.	Lot specific.
TGA:	<1%.	Lot specific.

Note: - This material is only for laboratory purpose and not for human consumption.

Certification & Traceability:

This product was manufactured, processed and/or certified under a quality management system that is accredited **ISO 17034:2016 and ISO/IEC 17025:2017.**

The balances used in the preparation of this product are calibrated regularly, using a calibration provider that is accredited to **ISO/IEC 17025.** All standard components used in the manufacture of this product are pre-qualified and verified before use.

Tests were performed for capacity, readability, repeatability and linearity. This product is manufactured, packaged, stored, and shipped in accordance with good manufacturing



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practices that is certified to **WHO-GMP**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of **k=2**.

Validity Period:

Briti Scientific standards ensures the accuracy of this product for 5 years from the manufacture date given above, provided the instructions for use are followed.

Quality Certifications:

This product was prepared under a quality management system that is accredited to the following:

ISO 17034:2016 Accredited: Reference Materials Producer, CGI Certificate No. WGMP/22N2594 – General Requirements for the Competence of Reference Material Producers.

ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.

ISO/IEC 17025:2017 Accredited: Chemical Testing, CGI Certificate No. UG/23N256- General Requirements for the Competence of Testing and Calibration Laboratories.

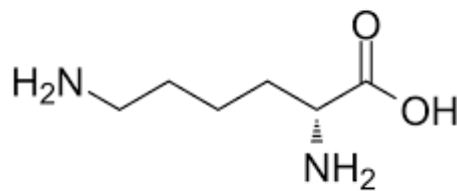
ISO 9001:2015 Certified: Quality Management Systems, CGI Certificate No. QMS/23N258.

WHO-GMP Certified: Good Manufacturing Practices, CGI Certificate No. WGMP/22N2594.

Health and Safety Information:

Refer to the Safety Data Sheet (SDS), which can be obtained at www.britisscientific.com.

This certificate shall not be reproduced except in full, without written approval from Briti Scientific. This is a computer generated COA, no stamp or signature is required.




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Technical Head.

