

**CERTIFICATE OF ANALYSIS**

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by TUV SUD America Inc.  
Certificate Number. 951001163

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Catalogue Number	H51970
Lot Number	U19L014
Description	4-Amino-L-phenylalanine, 95%
CAS Number	943-80-6
Quality Test/Release Date	19/Aug/2025
Suggested retest date	19/Aug/2030
Country of Origin	China

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<b>Result Name</b>	<b>Units</b>	<b>Specifications</b>	<b>Test Value</b>
Assay	%	≥94.0%	98.85
Appearance (Color)		White or cream to brown	White
Form		Crystals or powder or crystalline powder	Powder
Optical Rotation	°	-42° to -45° (c=2, water)	-43.3

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Luis Perez  
Interim Director Quality, LCD

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.