Thermo Fisher (Kandel) GmbH
Erlenbachweg 2
Kandel,
76870, Germany

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by ICG. Certificate Number. 110212Q

Catalogue Number	L14053
Lot Number	62400660
Description	(1S,2S,3R,5S)-2,3-Pinanediol, 99%
CAS Number	18680-27-8
Quality Test/Release Date	11/May/2024
Suggested retest date	11/May/2026
Country of Origin	CHINA
Declaration of Origin	Synthetic

Result Name	Units	Specifications	Test Value
Assay (GC)	%	≥98.5%	99.9
Appearance (Color)		White to cream	White
Form		Crystals or powder or crystalline powder	Solid
Identification (FTIR)		Conforms	Conforms
Melting Point (clear melt)	°C	54.0-60.0°C	57
Optical Rotation		9.5 ± 1.0° (C=6.5 in toluene)	9.4



Ronald Becht
Technical Support Manager

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.