

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek. Certificate Number. 2317548

Catalogue Number	13127		
Lot Number	A0453798		
Description	(1S)-(-)-alpha-Pinene,98%		
•	(TS)-(-)-alpha-Pinene,86% 7785-26-4		
CAS Number			
Quality Test/Release Date	22/Jan/2025		
Suggested retest date	22/Jan/2026		
Country of Origin	SPAIN		
Declaration of Origin	plant		
BSE/TSE	extracted by fractionation of turpentine from pine resin		
Result Name	Units	Specifications	Test Value
Result Name Appearance (Form)	Units	Specifications Clear liquid	Test Value Clear liquid
	Units APHA	•	
Appearance (Form)		Clear liquid	Clear liquid
Appearance (Form) Color scale		Clear liquid =<30	Clear liquid 10 Conforms
Appearance (Form) Color scale Infrared spectrum		Clear liquid =<30 Conforms	Clear liquid 10 Conforms
Appearance (Form) Color scale Infrared spectrum Refractive index		Clear liquid =<30 Conforms 1.4640 to 1.4680 (20°C, 589 nm)	Clear liquid 10 Conforms 1.4656 (20°C, 589 nm)

Geert Torfs

Supervisor, QC

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.