

## 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	11044
Lot Number	A0468931
Description	Citral,95%,mixture of cis and trans
CAS Number	5392-40-5
Quality Test/Release Date	07/Jan/2026
Suggested retest date	07/Jan/2028
Country of Origin	CHINA
Declaration of Origin	plant
BSE/TSE	Citral is derived from the plant Litsea Cubeba

Result Name	Units	Specifications	Test Value
Appearance (Color)		Clear yellow	Clear yellow
Appearance (Form)		Liquid	Liquid
Infrared spectrum		Conforms	Conforms
GC	%	>=94	98.5
Refractive index		1.4860 to 1.4900 (20°C, 589 nm)	1.4883 (20°C, 589 nm)
Density	kg/l	(20/4°C) 0.886 to 0.893	(20/4°C) 0.888

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.