

## 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	20774
Lot Number	A0468023
Description	Potassium permanganate,99+%,for analysis
CAS Number	7722-64-7
Quality Test/Release Date	19/Dec/2024
Suggested retest date	19/Dec/2029
Country of Origin	SPAIN
Declaration of Origin	synthetic

Result Name	Units	Specifications	Test Value
Appearance (Color)		Dark green to purple to black	brown
Appearance (Form)		Glistening crystalline powder or crystals	Glistening crystals
Titration Iodometric	%	99.0 to 101.0	99.0
Heavy metals (as Pb)	ppm	≤30	≤30
Nitrogen compounds (as N)	%	≤0.01	≤0.005
Chloride and Chlorate (as Cl)	%	≤0.005	≤0.005
Sulfate (SO4)	ppm	≤200	≤50
Iron (Fe)	ppm	≤50	≤20

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.