

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

Catalogue Number	013443
Lot Number	Y26L030
Description	Potassium nitrate, ACS, 99.0% min
CAS Number	7757-79-1
Quality Test/Release Date	26/Nov/2025
Suggested retest date	26/Nov/2030
Country of Origin	India

Result Name	Units	Specifications	Test Value
Assay (unspecified)	%	≥99.0% (KNO ₃)	99.59
Chloride content	%	≤0.002%	0.001
Appearance (Color)		White	White
Form		Solid	Solid
Impurity content	%	Calcium (Ca): ≤0.005%	0.0046
Impurity content	ppm	Iodate (IO ₃): ≤5ppm	<4
Impurity content	ppm	Iron (Fe): ≤ 3ppm	<2
Impurity content	%	Magnesium (Mg): ≤0.002%	0.0014
Impurity content	%	Nitrite (NO ₂): ≤0.001%	=<0.001
Impurity content	ppm	Phosphate (PO ₄): ≤5ppm	<4
Impurity content	%	Sodium (Na): ≤0.005%	0.0045
Impurity content	%	Sulfate (SO ₄): ≤0.003%	0.002
Insoluble material	%	≤0.005%	0.002
Heavy Metals (as Pb)	ppm	≤5ppm	0
pH		5% solution: 4.5-8.5 at 25°C	6.34



Derek Roy
 Quality Manager, 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.