

## 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	011827
Lot Number	W19L027
Description	12-Tungstophosphate hydrate, Reagent Grade
CAS Number	12501-23-4
Quality Test/Release Date	14/Oct/2025
Suggested retest date	14/Oct/2027
Country of Origin	India

Result Name	Units	Specifications	Test Value
Assay	%	≥65.0%	96.5
Chloride content	%	≤0.030%	0.0002
Appearance (Color)		White to pale yellow to yellow	White
Form		Crystals or crystalline powder	Crystalline powder
Heavy Metals	%	≤0.005% (as Pb)	<0.004
Impurity content	%	Sulfate: ≤0.020%	<0.001
Impurity content	%	Nitrate: ≤0.010%	<0.005
Impurity content	%	Iron: ≤0.002%	0.000
Impurity content	%	Ammonium: ≤0.005%	<0.002
Insoluble material	%	≤0.020%	<0.02



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.