

**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 036486  
Lot Number N21L034  
Description Lecithin, Refined  
CAS Number 8002-43-5  
Quality Test/Release Date 21/Feb/2025  
Suggested retest date 21/Feb/2027  
Country of Origin Netherlands  
Declaration of Origin Plant  
BSE/TSE Plant Species:Soybean

Result Name	Units	Specifications	Test Value
Assay (unspecified)	%	Hexane insoluble: ≤ 0.3%	0.10
Assay (unspecified)	%	Acetone insoluble: ≥97%	98.0
Acid Value	mg KOH/g	≤35 mg KOH/g	32.0
Appearance (Color)		Pale yellow or pale brown	Pale brown
Form		Powder	Powder
Residual water	%	≤1%	0.70
Peroxide content	meq /kg	≤5 meq /kg	1.0

*John Astarita*

John Astarita  
Director, Quality

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.