

## 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 J60287  
Lot Number Q24L030  
Description Yeast Extract  
CAS Number 8013-01-2  
Quality Test/Release Date 24/Apr/2025  
Suggested retest date 24/Apr/2027  
Country of Origin France

Result Name	Units	Specifications	Test Value
Assay (special)		Undigested proteins: Present	Conforms
Assay (special)		Total aerobic microbial count: ≤ 5000 cfu/g	Conforms
Assay (special)	%	Sulfuric ashes: ≤ 17%	13
Assay (special)		E. coli, Salmonella, Pseudomonas aeruginosa: Absent	Conforms
Chloride content	%	≤ 0.5 % (as NaCl)	0.1
Appearance (Color)		Pale cream to pale brown	Cream
Form		Powder	Powder
Loss on Drying	%	≤ 6.0%	4.3
Total Nitrogen		10.0 -12.0%	10.9
pH		6.5-7.5	6.9
Solution Test		Conforms	Conforms



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.