

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number	BP410
Lot Number	256820
Description	HEPES SODIUM SALT
CAS Number	75277-39-3
Quality Test/Release Date	27/May/2026
Suggested retest date	04/Nov/2027
Country of Origin	Taiwan
Declaration of Origin	Organic - non animal
BSE/TSE	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White powder
ASSAY	%	>= 99	100
ENDOTOXIN TESTING	EU/Mg	<= 0.06	<0.06
HEAVY METALS (as Pb)	%	<= 0.001	<0.001
IDENTIFICATION	PASS/FAIL	IN PASS TEST	PASS TEST
LOSS ON DRYING @ 105 C	%	<= 3.0	0.2
OPTICAL ABS AT 260 NM	ABSORBANCE UNITS	<= 0.04	0.01
OPTICAL ABS AT 280 NM	ABSORBANCE UNITS	<= 0.02	0.01
PH OF A 1% SOLUTION		Inclusive Between 9.4 - 11.0	10.2
PKA AT 25 DEGREES C		Inclusive Between 7.45 - 7.65	7.57
SOLUBILITY	CLEAR_COMP_COLORLESS	IN CLEAR, COMPLETE, AND COLORLESS	CLEAR, COMPLETE, AND COLORLESS



Harout Sahagian
QC Manager

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 use or further manufacturing. 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.