

## 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	BP299
Lot Number	261373
Description	HEPES 1M SOLUTION
CAS Number	7365-45-9,7732-18-5
Quality Test/Release Date	10/Jun/2026
Suggested retest date	07/Jun/2031
Country of Origin	United States
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	clear, colorless liquid
COLOR	A.P.H.A.	<= 10	<5
DNASE	DETECTED/NOT DETECT.	= NOT DETECTED	NOT DETECTED
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
MOLARITY	MOLARITY	Inclusive Between 0.95 - 1.05	1.0
OPTICAL ABS AT 260 NM	ABS. UNITS	<= 0.01	<0.01
OPTICAL ABS AT 280 NM	ABS. UNITS	<= 0.01	<0.01
PROTEASE	DETECTED/NOT DETECT.	= NOT DETECTED	NOT DETECTED
RNASE	DETECTED/NOT DETECT.	= NOT DETECTED	NOT DETECTED
pH AT 37 DEGREES C		Inclusive Between 7.2 - 7.4	7.3



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.