

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek. Certificate Number. 2317548

Catalogue Number	41160
Lot Number	A0470039
Description	1-Hexanesulfonic acid, sodium salt hydrate,98%,HPLC grade
Quality Test/Release Date	26/Feb/2025
Suggested retest date	26/Feb/2030
Country of Origin	INDIA
Declaration of Origin	synthetic
BSE/TSE	Not directly derived from or manufactured with any animal byproducts in any way (Including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
Appearance (Color)		White	White
Appearance (Form)		Crystalline powder	Crystalline powder
Infrared spectrum		Conforms	Conforms
Titration after Ion exchange	%	>=97.5 (On dry substance)	99.42 (On dry substance)
Water	%	7 to 9	8.76
Solubility		(10 % in water) Clear colorless (0.25 M in water) 1 cm cell vs HPLC-grade water	(10 % in water) Clear colorless (0.25 M in water) 1 cm cell vs HPLC-grade water
UV		at 200 nm A: =<0.3	at 200 nm A: =<0.1054
UV		at 210 nm A: =<0.2	at 210 nm A: =<0.0316
UV		at 220 nm A: =<0.1	at 220 nm A: =<0.0126
UV		at 230 nm A: =<0.075	at 230 nm A: =<0.0088
UV		at 240 nm A: =<0.05	at 240 nm A: =<0.0066
UV		at 250 nm A: =<0.05	at 250 nm A: =<0.0057

Geert Torfs
Supervisor, QC

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.