Acros Organics BV (Thermo Fisher Scientific)
Janssen Pharmaceuticalaan 3a
Geel,
2440, Belgium

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	32711
Lot Number	A0459186
Description	Phenol/Chloroform/Isoamyl alcohol (25:24:1), stabilized, saturated with 100 mM Tris-EDTA to pH 8.0,for molecular biology,DNAse, RNAse and Protease free, pH 7.8-8.2
CAS Number	136112-00-0
Quality Test/Release Date	16/Jan/2025
Suggested retest date	16/Jan/2027
Country of Origin	ISRAEL
Declaration of Origin	synthetic

Result Name	Units	Specifications	Test Value
Appearance (Color)		Clear yellow to orange	Clear yellow
Appearance (Form)		Solution	Solution
Heavy metals (as Pb)	ppm	=<1	=<1
pH		7.8 to 8.2 (at 25°C)	7.8 (at 25°C)
Iron (Fe)	ppm	=<1	=<1
Dnase,Rnase,Protease activity		None detected	None detected
Stabilizer	%	0.08 to 0.12 hydroxyquinoline	0.10 hydroxyquinoline
Composition		mixture of Phenol/Chloroform/ Isoamyl alcohol in	mixture of Phenol/Chloroform/ Isoamyl alcohol in
Composition		the ratio of 25:24:1 (v/v/v)	the ratio of 25:24:1 (v/v/v)

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.