Fisher Scientific UK Ltd.
Bishop Meadow Road
Loughborough,
LE11 5RG, United Kingdom

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by INTERTEK SAI Global Certificate Number. QMS42099

Catalogue Number	T/3000
Lot Number	2219831
Description	Trichloroacetic acid AR For analysis
CAS Number	76-03-9
Quality Test/Release Date	07/Apr/2022
Expiry Phrase	Use within 3 years of opening
Country of Origin	Germany

Result Name	Units	Specifications	Test Value
Assay	%	>= 99.5	99.61
Calcium (Ca)	ppm	<= 10	<1
Chemical form		Flakes	Flakes
Copper (Cu)	ppm	<= 2	<0.5
Iron (Fe)	ppm	<= 5	<3
Lead (Pb)	ppm	<= 2	<0.5
Magnesium (Mg)	ppm	<= 10	<0.5
Potassium (K)	ppm	<= 10	<2
Sodium (Na)	ppm	<= 20	<2
Substances reducing KMnO4	%	<= 0.0002	<0.0002
Total chloride (Cl)	%	<= 0.001	<0.001
Total nitrogen (N)	ppm	<= 50	<50
Total phosphorus (P)	ppm	<= 10	<2
Total silicon (Si)	ppm	<= 20	<0.5
Total sulfur (S)	ppm	<= 200	<20
Visual colour		White	White
Zinc (Zn)	ppm	<= 5	<0.5

A. Ganatra

Ashok Ganatra
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 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.