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	46454
Lot Number	A0474436
Description	Citric acid monohydrate,for HPLC
CAS Number	5949-29-1
Quality Test/Release Date	05/Apr/2024
Suggested retest date	05/Apr/2029
Country of Origin	BELGIUM
Declaration of Origin	plant
BSE/TSE	The product is made by fermentation of vegetable raw materials

Result Name	Units	Specifications	Test Value
Appearance (Color)		Colorless to white	White
Appearance (Form)		Powder or crystals	Powder
Infrared spectrum		Conforms	Conforms
Titration with NaOH	%	99.75 to 100.50	100.50
UV		(1M in water)	(1M in water)
UV		at 254 nm A: =<0.5	at 254 nm A: =<0.4
UV		at 270 nm A: =<0.1	at 270 nm A: =<0.08



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.