

Certificate of Analysis / Certificat D'Analyse

Citric Acid Anhydrous

Acide Citrique Anhydre

PARAMETER	UNIT	SPECIFICATION	VALUE
Characteristics			conforms
colourless crystals or a white, crystalline powder, very soluble in water, freely soluble in ethanol (96%), sparingly soluble in ether.			
Appearance of solution			conforms
clear and colourless			
Odour			conforms
typical, practically odourless			
Identification			conforms*
Clarity of solution			
			conforms*
Colour of solution			
			conforms*
Assay	%	99.7 - 100.3	100.1
Water	%	<= 0.50	0.05
Readily carbonisable substances			
			conforms*
Calcium	mg/kg	<= 30	conforms*
Heavy Metals	mg/kg	<= 5	conforms*
Iron	mg/kg	<= 3	conforms*
Arsenic	mg/kg	<= 1	conforms*
Lead	mg/kg	<= 0.5	conforms*
Mercury	mg/kg	<= 0.5	conforms*
Chloride	mg/kg	<= 5	conforms*
Oxalic acid / oxalate	mg/kg	<= 100	conforms*
Sulphate	mg/kg	<= 100	conforms*
Residue on ignition	%	<= 0.05	conforms*
Sulphated ash	%	<= 0.05	conforms*
Particles > Mesh 25 (0.71mm)	%	0.00 - 10.00	conforms*
Particles > 0.63mm	%	0.00 - 10.00	3.50
Particles < 0.20mm	%	0.00 - 10.00	3.15
Particles < Mesh 100 (0.150mm)	%	0.00 - 10.00	conforms*

*Analysis is confirmed based on In-Process-Control or by random testing.

This product is specified to meet the requirements of the latest edition of the European Pharmacopoeia (Ph. Eur.), the United States Pharmacopoeia (USP), The Food Chemicals Codex (FCC) and of Commission Regulation (EU) No 231/2012. All analytical methods are in accordance with the latest requirements of the Ph. Eur., the USP, the FCC or are equivalent.

* Data based on manufacturer's document

John

Quality Control

