



Certificate of Analysis

Date format MM/DD/YYYY

Creation date 08/03/2023

Date 06/26/2023

Material / Product / Description

Trisodium Citrate Dihydrate TSC F6000

Shipping point

Batch	Quantity	Date of production	Date of expiry	Production plant, country
6104055		07/02/2023	07/2026	Port Colborne, CA

Parameter	Unit	Specification	Value
Characteristics			conforms
white granular crystals or a white, crystalline powder, slightly deliquescent in moist air, freely soluble in water, practically insoluble in ethanol (96%)			
Identification			conforms*
Assay	%	99.0 - 100.5	100.2
Water (Loss on drying)	%	11.0 - 13.0	12.3
pH in 5% solution		7.5 - 9.0	8.6
Readily carbonisable substances			conforms*
Odour			conforms
typical, practically odourless			
Appearance of solution			conforms
clear and colourless			
Acidity			conforms*
Alkalinity			conforms*
Chloride	mg/kg	<=50	conforms*
Arsenic	mg/kg	<=1	conforms*
Lead	mg/kg	<=0.5	conforms*
Mercury	mg/kg	<=0.5	conforms*
Oxalic acid/ oxalate	mg/kg	<= 100	conforms*
Sulphate	mg/kg	<= 100	conforms*
Tartrate			conforms*
Particles > Mesh 25 (0.71mm)	%	<= 10	conforms*
Particles > 0.63 mm	%	<= 10	0
Particles < 0.20 mm	%	<= 15	4
Particles < Mesh 100 (0.150mm)	%	<= 15	conforms*

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

We herewith confirm that 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. Test methods are available on request.

