

A.C.E.F. SpA
 Via Umbria 8/14
 29017 Fiorenzuola d'Arda PC
 Italien

Certificate of Analysis

Date format	DD.MM.YYYY
Creation date	18.03.2021
Your order no.	2021 1175
Date	11.02.2021
Delivery note	80871726 000030
Date of dispatch	18.03.2021
Our reference	812168 000030
Date	11.02.2021
Client number	216959
Date of arrival	22.03.2021

Material / Product / Description

100053 / 000219-25 / Citric Acid Anhydrous CAA F6000 in 25 kg bags

Shipping point

Jungbunzlauer Austria AG, Factory Pernhofen, 2064 Wulzeshofen

Batch	Quantity	Date of production	Date of expiry	Production plant, country	Country of Origin
1268096	8,000 KG	03.03.2021	03.2024	Pernhofen, AT	AT

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			
Odour			conforms
typical, practically odourless			
Identification			conforms*
Appearance of solution			conforms*
clear and colourless			
Clarity of solution			conforms*
Colour of solution			conforms*
Assay	%	99,7 - 100,3	99,9
Water	%	<= 0,50	0,04
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 > 0.63 mm (mesh 25)	%	<= 10	conforms*
Particles < 0.20 mm (mesh 100)	%	<= 10	conforms*

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 Pharmacopeia (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.

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

QUALITY CONTROL MANAGER

MSc. Carina Pleil

FSSC 22000 certified by Lloyd's RQA- Reg. No. 10282998 Certificate Expiry on Aug. 27th, 2023

GMP+B1+B3 for feed certified by Lloyd's RQA- Reg. No. VNA0004790 - Certificate Expiry on July 31st, 2023

ISO 9001:2015 certified by Lloyd's RQA - Certificate No. 10277833 Certificate Expiry on July 8th, 2023

This computer generated certificate is valid without signature.