

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	15.04.2020
Your order no.	2020 2127
Date	17.03.2020
Delivery note	80811865 000010
Date of dispatch	15.04.2020
Our reference	757956 000010
Date	18.03.2020
Client number	216959
Date of arrival	17.04.2020

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
1257960	7,000 KG	22.03.2020	03.2023	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	0,05
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 > 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. 10026537 - Certificate Expiry on Aug. 27th, 2020

GMP+B1+B3 for feed certified by Lloyd's RQA- Reg. No. VNA0004790 - Certificate Expiry on July 31st, 2020

ISO 9001:2015 certified by Lloyd's RQA - Certificate No. VNA200628/A - Certificate Expiry on July 8th, 2020

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