

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	10.01.2023
Your order no.	2022 7353
Date	05.12.2022
Delivery note	81001032 000010
Date of dispatch	10.01.2023
Our reference	926875 000010
Date	06.12.2022
Client number	216959
Date of arrival	12.01.2023

Material / Product / Description

100171 / 000072-25 / Citric Acid Monohydrate CAM N1560 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
1286104	17,000 KG	15.10.2022	10.2025	Pernhofen, AT	AT

Parameter	Unit	Specification	Value
Characteristics			conforms
colourless crystals or a white, crystalline powder; efflorescent in dry air, 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	100,0
Water	%	7,5 - 8,8	8,6
Readily carbonisable substances			conforms*
Calcium	mg/kg	<= 30	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 > 1.25 mm (mesh 14)	%	<= 5	conforms*
Particles < 0.40 mm (mesh 45)	%	<= 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 LRQA- Reg. No. 10382348 Certificate Expiry on Aug. 27th, 2023
GMP+B1+B3 for feed certified by LRQA- Reg. No. 10373162 - Certificate Expiry on July 31st, 2023
ISO 9001:2015 certified by LRQA - Certificate No. 10370717 Certificate Expiry on July 8th, 2023
This computer generated certificate is valid without signature.