

Bomar Ltd
 Sea Road
 Kilcoole
 Co. Wicklow
 Ireland

Certificate of Analysis

Date format	DD.MM.YYYY
Creation date	22.05.2023
Your order no.	POR-10031
Date	20.04.2023
Delivery note	81023555 000010
Date of dispatch	22.05.2023
Our reference	944233 000010
Date	20.04.2023
Client number	204040
Date of arrival	09.06.2023

Material / Product / Description

101642 / / Citric Acid Anhydrous CAA 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
1289492	5,250 KG	26.02.2023	02.2026	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	100,0
Water	%	<= 0,50	0,05
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.