

Certificate of Analysis

Creation date 16.01.2019	Your order no. / Date 023261 / 19.12.2018	Delivery note / Date of dispatch 80734744 000050 / 16.01.2019		
Our reference / Date 684850 000050 / 19.12.2018	Client number	Date of arrival 21.01.2019		
Material / Product / Description 100016 / / Citric Acid Anhydrous CAA N1560 in 25 kg bags		Country of origin: AT		
Shipping point Jungbunzlauer Austria AG Factory Pernhofen 2064 Wulzeshofen				
Batch 1241570	Quantity 3.000 KG	Date of production 05.01.2019	Date of expiry 01.2022	Production plant Pernhofen/Wulzeshofen 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 > 1.25 mm (mesh 14)	%	<= 5	conforms*
Particles < 0.40 mm (mesh 45)	%	<= 10	conforms*

We herewith confirm that this product meets 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.

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