

Jungbunzlauer

JUNGBUNZLAUER CANADA INC.
 1555 Elm Street
 Port Colborne, ON L3K 5V5
 Canada
 Phone: +1-905-835 5444
 www.jungbunzlauer.com

OctoChem Inc
 Attn: Tessa Robbins / Josh Braman
 Jungbunzlauer Inc. Samples
 2090 Wagner Street
 Vandalia IL 62471
 USA

Certificate of Analysis	
Date format	MM/DD/YYYY
Creation date	12/13/2021
Your order no.	restocking Octochem samples
Date	11/11/2021
Delivery note	80925921 000020
Date of dispatch	12/13/2021
Our reference	861249 000020
Date	11/11/2021
Client number	222177
Date of arrival	12/13/2021

Material / Product / Description

125533 / / Citric Acid Anhydrous fine F6000 - Sample

Shipping point

Jungbunzlauer Canada Inc., 1555 Elm Street, L3K 5V5 Port Colborne

Batch	Quantity	Date of production	Date of expiry	Production plant, country	Country of Origin
6088354	60 PC	11/20/2021	11/2024	Port Colborne, CA	CA

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			
Appearance of solution			conforms*
clear and colourless			
Odour			conforms
typical, practically odourless			
Identification			conforms*
Clarity of solution			conforms*
Colour of solution			conforms*
Assay	%	99.7 - 100.3	100.0
Water	%	<= 0.50	0.06
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 > Mesh 25 (0.71mm)	%	<= 10	3
Particles > 0.83 mm	%	<= 10	3
Particles < 0.20 mm	%	<= 10	2
Particles < Mesh 100 (0.150mm)	%	<= 10	conforms*

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

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 Pharmacopoeia (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.

Banking Detail: Bank of Montreal, 300 Niagara St., Welland, Ontario L3C 5Z4, Tel: (905) 735-7723 Canadian Funds: Bank No. 001, Transit No. 29892, Account No. 1200-530, Swift Code BOFMCAM2 US Funds from the U.S.: Bank No. 001, Transit No. 29892, Account No. 4601-304, Swift Code BOFMCAM2, paid through Wells Fargo Bank, Swift Code PNBPU33NNYC, ABA 026005092 or CHIPS UID: 143906 US Funds from outside Canada and the U.S.: Bank No. 001, Transit No. 29892, Account No. 4601-304, Swift Code BOFMCAM2 Euro Funds: Bank of Montreal, Toronto Branch, 100 King Street West, Toronto, Ontario, Transit No. 00022, Swift code: BOFMCAM2, Account No. 0002-EUR-JUNGCANADA

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Seite	Lieferschein / Abgangsdatum
2	80925921 000020 / 13.12.2021

QUALITY ASSURANCE MANAGER
William Jamieson

This computer generated certificate is valid without signature.