

# Jungbunzlauer

# Sample

Jungbunzlauer Inc.  
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Newton, MA 02459  
USA  
Tel: +1-617-969 0900  
www.jungbunzlauer.com

## Certificate of Analysis

Date format MM/DD/YYYY  
Creation date  
Your order no.  
Date  
Delivery note  
Date of dispatch  
Our reference  
Date  
Client number  
Date of arrival

### Material / Product / Description

106842 / 31210BAG0050 / Citric Acid Anhydrous CAA F6000 in 50 lbs bags

### 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
				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	99.8		
Water	%	<= 0.50	0.06		
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 > Mesh 25 (0.71mm)	%	<= 10	conforms*		
Particles > 0.63 mm	%	<= 10	6		
Particles < 0.20 mm	%	<= 10	5		
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.

Remit USD funds to:  
Jungbunzlauer Inc  
P. O. Box 71981  
Chicago, IL 60694-1981

Remit ACH:  
Jungbunzlauer Inc  
Acct#3044799  
BMO Harris Bank  
ABA #071000288

Remit Wire:  
Jungbunzlauer Inc  
Acct#3044799  
BMO Harris Bank  
ABA# 071000288  
SWIFT CODE HATRUS44