



20 JUL 2021
75404147

PURAC Biochem BV
Arkelsedijk 46
PO Box 21
4200 AA Gorinchem
The Netherlands

P +31 183 695 695
www.corbion.com
VAT. NR. NL0032.53.235B01

CERTIFICATE OF ANALYSIS

Material No. 1001010057
Brand Name PURAC® FCC 80
Product Name L(+) - Lactic Acid FCC Special
80
Batch No. 7500056104
Manufacturing Date 09-Jun-2021
Expiry Date 08-Jun-2026

Characteristic	Unit	Lower Limit	Upper Limit	Value
Color fresh	APHA		50	17
Assay	%(w/w)	79.5	80.5	80.0

Parameters not tested in all batches but validated through in-process or final testing.

Characteristic	Unit	Lower Limit	Upper Limit
Color tone		Colorless or yellowish	
Odor		Agreeable	
Stereochemical purity (S)- enantiomer	%	97	
Sulfated ash	%(w/w)		0.10
Density (20°C)	g/ml	1.18	1.20
Heavy metals	mg/kg		10
Iron	mg/kg		10
Mercury	mg/kg		1
Lead	mg/kg		0.5
Arsenic	mg/kg		1
Calcium	mg/kg		20
Chloride	mg/kg		10
Sulfate	mg/kg		20
Cyanide	mg/kg		1
Positive test for acid		Passes test	
Positive test for lactate		Passes test	
Citrate, Oxalate, Phosphate, Tartrate		Passes test	
Reducing sugars		Passes test	
Sugars		Passes test	
Volatile fatty acids		Passes test	



PURAC Biochem BV
Arkelsedijk 46
PO Box 21
4200 AA Gorinchem
The Netherlands

P +31 183 695 695
www.corbion.com
VAT. NR. NL0032.53.235B01

CERTIFICATE OF ANALYSIS

Material No.	1001010057
Brand Name	PURAC® FCC 80
Product Name	L(+) - Lactic Acid FCC Special 80
Batch No.	7500056104
Manufacturing Date	09-Jun-2021
Expiry Date	08-Jun-2026

Characteristic	Unit	Lower Limit	Upper Limit
Clarity of solution		Clear	
Methanol	%(w/w)		0.2
Ether insolubles	%(w/w)		0.7
Readily carbonizable substances		Passes test	
Form		Syrupy liquid	
Solubility		Soluble in water and ethanol	

The results reported above are the mean value of the last 2 in process checks made in the time frame that this lot was manufactured

This batch complies with the current version of FCC, JSFA, 231/2012/EC, JECFA

This document is generated by a validated system and therefore not signed.

Pieter Bierlaagh
Manager Quality Control

SAP BATCH: BE01112367
VENDOR BATCH: 20210729