

**PURAC<sup>®</sup> FCC 80****Description**

PURAC FCC is the natural L(+)-lactic acid, which is produced by fermentation from sugar. It has a mild acid taste and is widely used as an acidulant in the food industry. PURAC's primary functions are to preserve and flavor.

**Specification**

Product	L(+)-lactic acid
Form	liquid
Assay	79.5-80.5% w/w
Stereochemical purity (L-isomer)	min. 95%

**Visual/sensoric characteristics**

Color fresh	max. 50 apha
Color, 6 months, 25°C	max. 50 apha
Odor	agreeable

**Identification**

Solubility	soluble in water and ethanol
Positive test for acid	1 in 10 in water litmus paper
Positive test for lactate	passes test
Relative density, 20°C	1.18-1.20 g/ml

**Purity**

Sulphated ash	max. 0.1%
Calcium	max. 20 ppm
Chloride	max. 10 ppm
Sulphate	max. 20 ppm
Arsenic	max. 1 ppm
Heavy metals total	max. 10 ppm
Iron	max. 10 ppm
Lead	max. 0.5 ppm
Mercury	max. 1 ppm
Cyanide	max. 5 ppm
Citric, oxalic, phosphoric, tartaric acid	passes test
Reducing sugars	passes test FCC
Sugars	passes test
Readily carbonizable substances	passes test
Volatile fatty acids	passes test
Methanol	max. 0.2% w/w
Ether insolubles	max. 0.7%

**Physical-chemical properties**

Molecular formula	CH <sub>3</sub> CHOHCOOH
Molecular weight	90
Chemical name	2-hydroxypropionic acid

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For further information:

<http://www.purac.com/>

Page 1 of 2



## Registration

CAS number  
EEC Additive number  
USA  
Complies with

## Product data

Rev.No.4/0304

79-33-4 (general 50-21-5)  
E 270  
GRAS  
FCC, JSFA, EUSFA

## Packaging

PURAC FCC 80% is supplied in 255 kg (562 lbs.) polyethylene drums (55 gallon) in 1200 kg (2645 lbs.) semi bulk containers and in bulk containers.

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Page 2 of 2