

Description**PURAC® FCC 88**

PURAC FCC 88 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**PURAC FCC 88**

Product	L(+)-lactic acid
Form	liquid
Grade	edible special

Assay

Assay	88-89% w/w
-------	------------

Visual/sensoric characteristics

Color fresh	max. 50 Apha
-------------	--------------

Purity

Sulphated ash	max. 0.1% w/w
Chloride	max. 0.1% w/w
Sulphate	max. 0.25% w/w
Iron	max. 10 ppm
Lead	max. 0.5 ppm
Cyanide	max. 5 ppm
Citric, oxalic, phosphoric or tartaric acid	passes test
Sugars/reducing substances	passes test
Density at 20°C	1.20-1.22 g/ml

Physical-chemical properties

Molecular formula	CH ₃ CHOHCOOH
Molecular weight	90
Chemical name	2-hydroxypropionic acid

Registration

CAS number	79-33-4 (general 50-21-5)
EEC Additive number	E 270
USA	GRAS
Complies with	FCC