

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
Color fresh	max. 50 apha
Color, 6 months, 25°C	max. 50 apha
Odor	agreeable
Stereochemical purity (L-isomer)	min. 95%
Assay	87.5-88.5% w/w
Density at 20°C	1.20-1.22 g/ml
Sulphated ash	max. 0.1%
Heavy metals total	max. 10 ppm
Iron	max. 10 ppm
Arsenic	max. 1 ppm
Calcium	max. 20 ppm
Chloride	max. 10 ppm
Sulphate	max. 20 ppm
Reducing sugars	passes test FCC

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, JSFA and EUSFA

Packaging

PURAC FCC 88% are supplied in 255 kg (562 lbs.) polyethylene drums (55 gallon) in 1200 kg (2645 lbs.) semi bulk containers and in bulk containers.