

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

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 flavour.

**Specification****PURAC FCC 80**

Product	L(+) lactic acid
Form	liquid
Grade	edible special
Colour fresh	max. 50 apha
Colour, 6 months, 25°C	max. 50 apha
Odour	agreeable
Stereochemical purity (L-isomer)	min. 95%
Assay	79.5-80.5% w/w
Density at 20°C	1.18-1.20 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 <sub>3</sub> 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