

Product data

Rev.No.1/0304

Description

PURAC[®] 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 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