

Product data

Rev.No.1/5009

PURAMEX® FE

Description

PURAMEX FE is the iron (II) salt of natural L(+)-lactic acid, which is produced by fermentation from sugar.

Specification

Product ferrous lactate Form powder Iron indentification (FCC test) passes test Lactate identification (FCC test) passes test 20-21% Iron-III max. 0.2% 98.0-100.5% Assay Iron-II-lactate (anhydrous) Stereochemical purity (L-isomer) min. 96% Optical (specific) rotation [a]_D²⁰ (+6.0) - (+11.0)pH (2g product + 98g water) 4.6-6.0 Loss on drying 12.0-14.0% Heavy metals total max. 50 ppm Arsenic max. 2 ppm Lead max. 1 ppm Mercury max. 1 ppm Cadmium max. 1 ppm Sulphate max. 1000 ppm Chloride max. 500 ppm Oxalic acid passes test (FCC) Foreign acids (citric- and tartaric acid) no reaction with lead acetate

Physical-chemical properties

Molecular formula Molecular weight Chemical name

Volatile fatty acids

Mesophilic bacteria

Moulds

Yeasts

Fe-(CH₃CHOHCOO)2.2H₂O

no odour if 1 g warmed with

234 (anhydrous)

sulphuric acid

max. 1000 counts/g

max. 100 counts/q

max. 100 counts/g

Iron(II)-L-2-hydroxy-propionate

Registration

CAS number EEC Additive number USA

Complies with

FCC, EUSFA

85993-25-5

E 585

GRAS

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