



Specification

1.02975.0000 Sorbitol FP liquid (sorbitol syrup, noncrystallizing) EMPROVE® ESSENTIAL
Ph Eur,BP,NF,E 420

Specification

Solid matter	69.0 - 72.0	%
Sorbitol (HPLC, calc.on anhydrous substance)	72.0 - 92.0	%
Sorbitol (HPLC)	≥ 50.0	%
Identity	passes test	
pH-value (14 %; water)	5.0 - 7.5	
Appearance of solution (14 %; water)	passes test	
conductivity (25°C)	≤ 10	μS/cm
As (Arsenic)	≤ 1	ppm
Ni (Nickel) (calc. on anhydrous substance) (*)	≤ 1	ppm
Pb (Lead)	≤ 0.5	ppm
Ethylene glycol (HPLC)	≤ 0.10	%
Diethylene glycol (HPLC)	≤ 0.10	%
Mannitol (HPLC)	≤ 6.5	%
Reducing sugars after hydrolysis/total sugar (as glucose)	≤ 9.3	%
Reducing sugars (as glucose)	≤ 0.2	%
Sulfated ash (calc.on anhydrous substance)	≤ 0.1	%
Water	28.5 - 31.0	%
Residual solvents (ICH Q3C)	excluded by manufacturing process	
Microbiological test	passes test	
Colony count (aerobic bacteria (TAMC))	≤ 10 ³	CFU/ml
Colony count (Yeasts and moulds (TYMC))	≤ 10 ²	CFU/ml

Elemental impurity specifications have been set considering ICH Q3D (Guideline for Elemental Impurities).
Class 1-3 elements are not likely to be present above the ICH Q3D option 1 limit, unless specified and indicated (*).

Corresponds to Ph. Eur., BP, NF, E 420

Conforms to the purity criteria on food additives according to the current European Commission Regulation.

The original manufacturer name and address will be disclosed subsequent to signing a confidentiality agreement.

Christin Leistner

Responsible laboratory manager quality control

This document has been produced electronically and is valid without a signature.