



Specification

1.06431.1000 tri-Sodium citrate 5,5-hydrate EMPROVE® ESSENTIAL E 331

Spec. Values		
Assay (perchloric acid titration, calculated on dried substance)	≥ 99.0	%
Identity	passes test	
pH-value (5 %; water)	7.5 - 9.0	
Oxalate (C ₂ O ₄)	≤ 0.0100	%
As (Arsenic)	≤ 0.0001	%
Fe (Iron)	≤ 0.001	%
Hg (Mercury)	≤ 0.0001	%
Pb (Lead)	≤ 0.0001	%
Loss on drying (180 °C)	≤ 30.0	%

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 E 331

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

Claudia Wiegand

Responsible laboratory manager quality control

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