Specification

1.00056.0000 Acetic acid (glacial) 100% EMPROVE® EXPERT Ph Eur,BP,ChP,JP,USP, E 260

	Specification	
Assay (alkalimetric)	99.8 - 100.5	%
Identity	passes test	
Appearance of the substance	passes test	
Solidification temperature	≥ 15.6	°C
Formic acid, Formates and other oxidable impurities (as HCOOH)	≤ 1000	ppm
Formic acid and readily oxidizable substances (ChP)	passes test	
Heavy metals (as Pb)	≤ 2	ppm
Chloride (Cl)	≤ 2	ppm
Sulfate (SO_4)	≤ 5	ppm
Al (Aluminium)	≤ 0.5	ppm
As (Arsenic)	≤ 1.00	ppm
Cu (Copper)	≤ 5	ppm
Fe (Iron)	≤ 5	ppm
Hg (Mercury)	≤ 0.30	ppm
Ir (Iridium)*	≤ 1.0	ppm
Li (Lithium)*	≤ 25.0	ppm
Pb (Lead)	≤ 0.50	ppm
Rh (Rhodium)*	≤ 1.0	ppm
Ru (Ruthenium)*	≤ 1.0	ppm
Zn (Zinc)	≤ 5	ppm
Acetaldehyde (GC)	≤ 100	ppm
Methanol (GC)	≤ 1000	ppm
Other residual solvents (ICH Q3C)	...excluded by production process	
Reducing substances (Ph.Eur.)	passes test	
Substances reducing potassium permanganate	passes test	
Evaporation residue	≤ 45	ppm
Endotoxins	≤ 2.5	I.U./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, ChP, JP, USP, E260.
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.

Specification

1.00056.0000 Acetic acid (glacial) 100% EMPROVE® EXPERT Ph Eur,BP,ChP,JP,USP, E 260

Christian Herrmann
Responsible laboratory manager quality control

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