

## CERTIFICATE OF ANALYSIS

Product : ACETIC ACID ANALPURE®  
 Code : SAc0017  
 Batch number : 5022  
 Expiry date (d/m/y) : 05/05/2025

Colour	: < 10	APHA
Chloride (Cl)	: < 1.0	ppm
Phosphate (PO <sub>4</sub> )	: < 1.0	ppm
Sulfate (SO <sub>4</sub> )	: < 0.5	ppm
Assay	: 99.7	%
Substances reducing Permanganate	: passes test	
Substances reducing Dichromate	: passes test	

Trace impurities (ppb):

Analyte	Maximum concentration	Actual value	Analyte	Maximum concentration	Actual value
Aluminium	1.0	< 0.5	Molybdenum	0.5	< 0.5
Antimony	0.5	< 0.1	Neodymium	0.1	< 0.1
Arsenic	0.5	< 0.1	Nickel	0.5	< 0.1
Barium	0.5	< 0.1	Platinum	0.5	< 0.1
Beryllium	0.1	< 0.1	Potassium	1.0	< 0.5
Bismuth	0.1	< 0.1	Praseodymium	0.1	< 0.1
Cadmium	0.5	< 0.1	Rhenium	0.1	< 0.1
Calcium	1.0	< 1	Rhodium	0.5	< 0.1
Cerium	0.1	< 0.1	Rubidium	0.1	< 0.1
Cesium	0.1	< 0.1	Ruthenium	0.5	< 0.1
Chromium	1.0	< 0.1	Samarium	0.1	< 0.1
Cobalt	0.1	< 0.1	Scandium	0.1	< 0.1
Copper	0.5	< 0.1	Selenium	1.0	< 0.5
Dysprosium	0.1	< 0.1	Silver	1.0	< 0.1
Erbium	0.1	< 0.1	Sodium	1.0	< 0.5
Europium	0.1	< 0.1	Strontium	0.5	< 0.1
Gadolinium	0.1	< 0.1	Tellurium	0.5	< 0.1
Gallium	0.1	< 0.1	Terbium	0.1	< 0.1
Germanium	0.5	< 0.1	Thallium	0.1	< 0.1
Hafnium	0.1	< 0.1	Thorium	0.1	< 0.1
Holmium	0.1	< 0.1	Thulium	0.1	< 0.1
Indium	0.1	< 0.1	Tin	0.5	< 0.1
Iron	1.0	< 0.5	Titanium	0.5	< 0.1
Lanthanum	0.1	< 0.1	Tungsten	0.5	< 0.1
Lead	0.1	< 0.1	Uranium	0.1	< 0.1
Lithium	0.1	< 0.1	Vanadium	0.5	< 0.1
Lutetium	0.1	< 0.1	Ytterbium	0.1	< 0.1
Magnesium	0.5	< 0.2	Yttrium	0.1	< 0.1
Manganese	0.5	< 0.1	Zinc	1.0	< 0.5
Mercury	1.0	< 0.5	Zirconium	0.1	< 0.1

Element concentrations are at the point of bottling. Concentrations of some elements in particular Ca, Si, K, Na, B, Al, Mg & Mn may increase due to storage in glass bottles



Release date: **05. 05. 2022**

Signed by: **Vladimir Patera**  
*Person-in-Charge*