

## CERTIFICATE OF ANALYSIS

Product : ACETIC ACID ANALPURE®  
 Code : SAc0017  
 Batch number : 5015  
 Expiry date : December 2021

Colour	: < 10	APHA
Chloride (Cl)	: < 1.0	ppm
Phosphate (PO <sub>4</sub> )	: < 1.0	ppm
Sulfate (SO <sub>4</sub> )	: < 0.5	ppm
Substances reducing Permanganate	: passes test	
Assay	: 99.8	%

### Trace impurities (ppb):

Analyte	Maximum concentration	Actual value	Analyte	Maximum concentration	Actual value
Aluminium	1.0	< 0.5	Molybdenum	0.5	< 0.2
Antimony	0.5	< 0.1	Neodymium	0.1	< 0.1
Arsenic	0.5	< 0.1	Nickel	0.5	< 0.1
Barium	0.5	< 0.5	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	< 0.5	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	< 0.2	Selenium	1.0	< 0.5
Dysprosium	0.1	< 0.1	Silver	1.0	< 0.1
Erbium	0.1	< 0.1	Sodium	1.0	< 1.0
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	< 1	Zirconium	0.1	< 0.1


 Release date: 21<sup>th</sup> December 2018

Person-in-Charge: Vladimír Patera