

## CERTIFICATE OF ANALYSIS

Product : **SULPHURIC ACID ANALPURE®**  
 Code : SAc0012  
 Batch number : 7051  
 Expiry date : 16/10/2023 (dd/mm/yyyy)

Colour : < 7 APHA  
 Substances reducing permanganate : < 20 ppm  
 Chloride (Cl<sup>-</sup>) : < 0.1 ppm  
 Nitrate (NO<sub>3</sub><sup>-</sup>) : < 0.2 ppm  
 Total Phosphorus (P) : < 0.05 ppm  
 Assay : 95 % (w/w)

### Trace impurities (ppb):

Analyte	Maximum concentration	Actual value	Analyte	Maximum concentration	Actual value
Aluminium	1	< 0.5	Molybdenum	0.5	< 0.1
Antimony	1	< 0.1	Neodymium	0.1	< 0.1
Arsenic	0.5	< 0.5	Nickel	0.5	< 0.1
Barium	0.1	< 0.1	Niobium	0.1	< 0.1
Beryllium	0.1	< 0.1	Palladium	Information Only	< 0.5
Bismuth	0.1	< 0.1	Platinum	Information Only	< 0.5
Cadmium	0.5	< 0.1	Potassium	1	< 0.5
Calcium	1	< 0.5	Praseodymium	0.1	< 0.1
Cerium	0.1	< 0.1	Rhodium	0.5	< 0.5
Cesium	0.1	< 0.1	Rubidium	0.5	< 0.5
Chromium	0.5	< 0.1	Samarium	0.1	< 0.1
Cobalt	0.5	< 0.1	Scandium	0.1	< 0.1
Copper	0.5	< 0.1	Selenium	10	< 5
Dysprosium	0.1	< 0.1	Silver	1	< 0.1
Erbium	0.1	< 0.1	Sodium	1	< 0.5
Europium	0.1	< 0.1	Strontium	0.5	< 0.1
Gadolinium	0.1	< 0.1	Tantalum	Information Only	< 0.5
Gallium	0.1	< 0.1	Tellurium	0.1	< 0.1
Germanium	1	< 0.1	Terbium	0.1	< 0.1
Gold	0.5	< 0.5	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	1	< 0.1
Iron	1	< 0.5	Titanium	1	< 0.5
Lanthanum	0.1	< 0.1	Tungsten	0.5	< 0.5
Lead	0.1	< 0.1	Uranium	0.1	< 0.1
Lithium	0.5	< 0.1	Vanadium	0.5	< 0.1
Lutetium	0.1	< 0.1	Ytterbium	0.1	< 0.1
Magnesium	1	< 0.5	Yttrium	0.1	< 0.1
Manganese	0.5	< 0.1	Zinc	1	< 0.1
Mercury	0.1	< 0.1	Zirconium	0.5	< 0.1



Release date: 16<sup>th</sup> October 2020

Person-in-Charge: **Vladimír Patera**