analytika , spol. s r.o.

CERTIFICATE OF ANALYSIS

Product : **NITRIC ACID ANALPURE®**
Code : SAc0061
Batch number : 3051
Expiry date : July 2020

Colour	: < 7	APHA
Chloride (Cl)	: < 0.2	ppm
Total Sulphur (S)	: < 0.3	ppm
Total Phosphorus (P)	: < 0.01	ppm
Assay	: 69	%

Trace impurities (ppb = ng/g):

Analyte	Maximum concentration	Actual value	Analyte	Maximum concentration	Actual value
Aluminium	1	< 0.5	Neodymium	0.1	< 0.1
Antimony	0.5	< 0.1	Nickel	0.5	< 0.5
Arsenic	0.5	< 0.1	Niobium	0.1	< 0.1
Barium	0.1	< 0.1	Palladium	0.5	< 0.1
Beryllium	0.1	< 0.1	Platinum	0.5	< 0.1
Bismuth	0.1	< 0.1	Potassium	1	< 0.2
Boron	1	< 1	Praseodymium	0.1	< 0.1
Cadmium	0.5	< 0.1	Rhenium	0.1	< 0.1
Calcium	1	< 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	< 0.5	Samarium	0.1	< 0.1
Cobalt	0.5	< 0.1	Scandium	0.1	< 0.1
Copper	0.5	< 0.5	Selenium	1	< 0.1
Dysprosium	0.1	< 0.1	Silver	0.1	< 0.1
Erbium	0.1	< 0.1	Sodium	1	< 0.5
Europium	0.1	< 0.1	Strontium	0.1	< 0.1
Gadolinium	0.1	< 0.1	Tantalum	Information only	< 0.1
Gallium	0.1	< 0.1			
Germanium	0.1	< 0.1	Tellurium	0.1	< 0.1
Gold	0.1	< 0.1	Terbium	0.1	< 0.1
Hafnium	0.1	< 0.1	Thallium	0.1	< 0.1
Holmium	0.1	< 0.1	Thorium	0.1	< 0.1
Indium	0.1	< 0.1	Thulium	0.1	< 0.1
Iron	1	< 0.5	Tin	0.5	< 0.1
Lanthanum	0.1	< 0.1	Titanium	0.5	< 0.1
Lead	0.1	< 0.1	Tungsten	0.1	< 0.1
Lithium	0.1	< 0.1	Uranium	0.1	< 0.1
Lutetium	0.1	< 0.1	Vanadium	0.5	< 0.1
Magnesium	1	< 0.2	Ytterbium	0.1	< 0.1
Manganese	0.1	< 0.1	Yttrium	0.1	< 0.1
Mercury	0.1	< 0.02	Zinc	0.5	< 0.2
Molybdenum	0.1	< 0.1	Zirconium	0.1	< 0.1

Store at room temperature, 15°C to 25°C. Avoid exposure to sunlight or ultraviolet light source. Consult SDS prior to handling this product.

Release date: **16th July 2018** *Person-in-Charge*: **Vladimir Patera**

Analytika, spol. s r.o., Ke Klíčovu 2a/816, 190 00 Prague 9, Czech Republic, Tel., fax: (+420) 286 589 616