analytika , spol. s r.o.

CERTIFICATE OF ANALYSIS

Product	: HYDROFLUORIC ACID ANALPURE®	
Code	: SAc0091	
Batch number	: 4020	
Expiry date	: 10/02/2024 (DD/MM/YYYY)	
Colour	: < 10	APHA
Fluorosilic acid	: < 20	ppm
Chloride (Cl)	: < 4	ppm
Total Sulphur (S)	: < 0.1	ppm
Total Phosphorus (P)	: < 0.05	ppm
Assay	: 50	%

Trace impurities (ppb):

Analyte	Maximum concentration	Actual value	Analyte	Maximum concentration	Actual value
Aluminium	1	< 1	Neodymium	0.1	< 0.1
Antimony	0.2	< 0.1	Nickel	0.5	< 0.1
Arsenic	0.5	< 0.1	Niobium	0.1	< 0.1
Barium	0.1	< 0.1	Palladium	0.2	< 0.2
Beryllium	0.1	< 0.1	Platinum	0.2	< 0.2
Bismuth	0.1	< 0.1	Potassium	1	< 0.5
Boron	1	< 0.5	Praseodymium	0.1	< 0.1
Cadmium	0.1	< 0.1	Rhenium	0.1	< 0.1
Calcium	1	< 1	Rhodium	0.1	< 0.1
Cerium	0.1	< 0.1	Rubidium	0.1	< 0.1
Cesium	0.1	< 0.1	Ruthenium	0.1	< 0.1
Chromium	1	< 0.1	Samarium	0.1	< 0.1
Cobalt	0.1	< 0.1	Scandium	0.1	< 0.1
Copper	0.5	< 0.1	Selenium	1	< 0.1
Dysprosium	0.1	< 0.1	Silver	0.5	< 0.1
Erbium	0.1	< 0.1	Sodium	1	< 1
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	Tellurium	0.1	< 0.1
Germanium	0.1	< 0.1	Terbium	0.1	< 0.1
Gold	0.2	< 0.2	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	< 0.5	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	0.1	< 0.1	Vanadium	0.1	< 0.1
Lutetium	0.1	< 0.1	Ytterbium	0.1	< 0.1
Magnesium	1	< 0.2	Yttrium	0.1	< 0.1
Manganese	0.1	< 0.1	Zinc	1	< 1
Mercury	1	< 0.5	Zirconium	0.1	< 0.1
Molybdenum	0.1	< 0.1			

Element concentrations are at the point of bottling. Concentrations of some elements in particular, Ca, Na, Fe, Al, Zn may increase due to storage in PE bottles.

Release date: **10.02.2022** *Person-in-Charge:* **Vladimír Patera**

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