

# Specification

Item number: HN54

Hydrofluoric acid

**ROTIPURAN®Supra 48 %**

CAS No.: 7664-39-3

print date: 01.01.2024

formula: HF

density: 1,18

molecular weight: 20,01 g/mol

## Guarantee analysis

Assay (w/w)	47-51 %
Colour (APHA)	≤10
Hexafluorosilicate (SiF <sub>6</sub> )	≤0,002 %
Chloride (Cl)	≤0,0004 %
Total Phosphorous (P)	≤0,000005 %
Total Sulfur (S)	≤0,00001 %
Aluminium (Al)	≤1 ppb
Antimony (Sb)	≤0,2 ppb
Arsenic (As)	≤0,5 ppb
Barium (Ba)	≤0,1 ppb
Beryllium (Be)	≤0,1 ppb
Lead (Pb)	≤0,1 ppb
Boron (B)	≤1 ppb
Cadmium (Cd)	≤0,1 ppb
Cesium (Cs)	≤0,1 ppb
Calcium (Ca)	≤1 ppb
Cerium (Ce)	≤0,1 ppb
Chromium (Cr)	≤1 ppb
Dysprosium (Dy)	≤0,1 ppb
Iron (Fe)	≤1 ppb
Erbium (Er)	≤0,1 ppb
Europium (Eu)	≤0,1 ppb
Gadolinium (Gd)	≤0,1 ppb
Gallium (Ga)	≤0,1 ppb
Germanium (Ge)	≤0,1 ppb
Gold (Au)	≤0,2 ppb
Hafnium (Hf)	≤0,1 ppb
Holmium (Ho)	≤0,1 ppb
Indium (In)	≤0,1 ppb

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<b>Potassium (K)</b>	≤1 ppb
<b>Cobalt (Co)</b>	≤0,1 ppb
<b>Copper (Cu)</b>	≤0,5 ppb
<b>Lanthanum (La)</b>	≤0,1 ppb
<b>Lithium (Li)</b>	≤0,1 ppb
<b>Lutetium (Lu)</b>	≤0,1 ppb
<b>Magnesium (Mg)</b>	≤1 ppb
<b>Manganese (Mn)</b>	≤0,1 ppb
<b>Molybdenum (Mo)</b>	≤0,1 ppb
<b>Sodium (Na)</b>	≤1 ppb
<b>Neodymium (Nd)</b>	≤0,1 ppb
<b>Nickel (Ni)</b>	≤0,5 ppb
<b>Niobium (Nb)</b>	≤0,1 ppb
<b>Palladium (Pd)</b>	≤0,2 ppb
<b>Platinum (Pt)</b>	≤0,2 ppb
<b>Praseodymium (Pr)</b>	≤0,1 ppb
<b>Mercury (Hg)</b>	≤1 ppb
<b>Rhenium (Re)</b>	≤0,1 ppb
<b>Rhodium (Rh)</b>	≤0,1 ppb
<b>Rubidium (Rb)</b>	≤0,1 ppb
<b>Ruthenium (Ru)</b>	≤0,1 ppb
<b>Samarium (Sm)</b>	≤0,1 ppb
<b>Scandium (Sc)</b>	≤0,1 ppb
<b>Selenium (Se)</b>	≤1 ppb
<b>Silver (Ag)</b>	≤0,5 ppb
<b>Strontium (Sr)</b>	≤0,1 ppb
<b>Tellur (Te)</b>	≤0,1 ppb
<b>Terbium (Tb)</b>	≤0,1 ppb
<b>Thallium (Tl)</b>	≤0,1 ppb
<b>Thorium (Th)</b>	≤0,1 ppb
<b>Thulium (Tm)</b>	≤0,1 ppb
<b>Titanium (Ti)</b>	≤1 ppb
<b>U (Uranium)</b>	≤0,1 ppb
<b>Vanadium (V)</b>	≤0,1 ppb
<b>Bismuth (Bi)</b>	≤0,1 ppb
<b>Tungsten (W)</b>	≤0,5 ppb

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## *Guarantee analysis*

<b>Ytterbium (Yb)</b>	≤0,1 ppb
<b>Yttrium (Y)</b>	≤0,1 ppb
<b>Zinc (Zn)</b>	≤1 ppb
<b>Tin (Sn)</b>	≤0,5 ppb
<b>Zirconium (Zr)</b>	≤0,1 ppb

Our products are tested for laboratory use only.  
The stated information refers to the current status of product quality.  
We reserve the right to implement necessary changes.

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**Dr. R. Niemand**  
*Head of Quality Assurance*

**S. Lorsee**  
*Head of Quality Management*

*This document is computer printout and has therefore not been signed by hand.*

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Die Firma ist eine Kommanditgesellschaft mit Sitz in Karlsruhe, Reg. Gericht Mannheim HRA 100055. Persönlich haftende Gesellschafterin ist die Firma Roth Chemie GmbH mit Sitz in Karlsruhe, Reg. Gericht Mannheim HRB 100428. Geschäftsführer: André Houdelet

