

# Specification

Item number: 6331  
Hydrochloric acid 25 %  
ROTIPURAN® ≥25 %, p.a., ISO  
CAS No.: 7647-01-0 print date: 21.04.2017  
formula: HCl  
density: ~1,12  
molecular weight: 36,46 g/mol

## Guarantee analysis

Content (acidim.)	≥25 %
Colour (Hazen)	≤10
Free chlorine (Cl)	≤0,00005 %
Heavy metals (as Pb)	≤0,0001 %
Ash content (as SO <sub>4</sub> )	≤0,0005 %
Sulphate (SO <sub>4</sub> )	≤0,0001 %
Sulphite (SO <sub>3</sub> )	≤0,0001 %
Aluminium (Al)	≤0,000005 %
Ammonium (NH <sub>4</sub> )	≤0,0001 %
Arsenic (As)	≤0,000001 %
Barium (Ba)	≤0,000002 %
Beryllium (Be)	≤0,000002 %
Lead (Pb)	≤0,000002 %
Bromide (Br)	≤0,005 %
Cadmium (Cd)	≤0,000001 %
Calcium (Ca)	≤0,00005 %
Chromium (Cr)	≤0,000002 %
Cobalt (Co)	≤0,000001 %
Iron (Fe)	≤0,00002 %
Germanium (Ge)	≤0,000005 %
Potassium (K)	≤0,00001 %
Copper (Cu)	≤0,000002 %
Lithium (Li)	≤0,000001 %
Magnesium (Mg)	≤0,00001 %
Manganese (Mn)	≤0,000001 %
Molybdenum (Mo)	≤0,000002 %
Sodium (Na)	≤0,00005 %
Nickel (Ni)	≤0,000002 %
Strontium (Sr)	≤0,000001 %
Thallium (Tl)	≤0,000005 %
Titanium (Ti)	≤0,0001 %
Vanadium (V)	≤0,000001 %
Bismuth (Bi)	≤0,00001 %
Zinc (Zn)	≤0,000005 %
Zirconium (Zr)	≤0,00001 %



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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**U. Jeckel**  
Quality Assurance

**S.Hildebrandt**  
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. Vorsitzender des Aufsichtsrats: Eberhard Gaul  
Geschäftsführer: Lothar Haidmann

