

Technical Data Sheet

Product Name	Perchloric Acid 70% A.R.		
Product #	KS-02254	CAS #	7601-90-3
For laboratory use, ACS, Ph. Eur.			
Specifications			
Assay (Acidimetric)	70.0% -72.0%		
Identity	Passes test		
Color	≤ 10 Hazen		
Chlorate (ClO ₃)	≤ 10ppm		
Chloride (Cl)	≤ 3ppm		
Free Chlorine (Cl)	≤ 0.5ppm		
Phosphate and Silicate (as SiO ₂)	≤ 5ppm		
Sulfate (SO ₄)	≤ 10ppm		
Total Nitrogen (N)	≤ 10ppm		
Heavy Metals (as Pb)	≤ 1ppm		
Silver (Ag)	≤ 0.1ppm		
Aluminum (Al)	≤ 0.05ppm		
Arsenic (As)	≤ 0.05ppm		
Barium (Ba)	≤ 0.02ppm		
Beryllium (Be)	≤ 0.02ppm		
Bismuth (Bi)	≤ 0.1ppm		
Calcium (Ca)	≤ 0.5ppm		

Cadmium (Cd)	$\leq 0.05\text{ppm}$
Cobalt (Co)	$\leq 0.05\text{ppm}$
Copper (Cu)	$\leq 0.1\text{ppm}$
Iron (Fe)	$\leq 1.0\text{ppm}$
Germanium (Ge)	$\leq 0.05\text{ppm}$
Potassium (K)	$\leq 0.1\text{ppm}$
Lithium (Li)	$\leq 0.02\text{ppm}$
Magnesium (Mg)	$\leq 0.5\text{ppm}$
Manganese (Mn)	$\leq 0.02\text{ppm}$
Molybdenum (Mo)	$\leq 0.05\text{ppm}$
Sodium (Na)	$\leq 0.5\text{ppm}$
Nickel (Ni)	$\leq 0.1\text{ppm}$
Lead (Pb)	$\leq 0.05\text{ppm}$
Strontium (Sr)	$\leq 0.02\text{ppm}$
Titanium (Ti)	$\leq 0.1\text{ppm}$
Thallium (Tl)	$\leq 0.05\text{ppm}$
Vanadium (V)	$\leq 0.05\text{ppm}$
Zinc (Zn)	$\leq 0.1\text{ppm}$
Zirconium (Zr)	$\leq 0.1\text{ppm}$
Residue on Ignition (as Sulfate)	$\leq 0.003\%$

The certificate shall not be copied or reproduces without the written approval of **KEMICAS**.