

# CERTIFICATE OF ANALYSIS

## EXAMPLE

### ACETIC ACID 99.9%

• **SAMPLE :**

Plaine Saint-Denis, 19 July 2022

**Product code :** 0600

**Grade :** VLSI

**Manufacturing Date :**

• **RESULTS :**

**Analytical Process :** 0600VLSI0002.50L000000G

**N° LIMS :** 121482

Parameters	Methods	Results	Specifications	Conclusion
Chloride (Cl)	IC n°2-4021	< 0.1 ppm	<0.5 ppm	Conform
Phosphate (PO4)	IC n°2-4021	< 0.1 ppm	<0.1 ppm	Conform
Sulphate (SO4)	IC n°2-4021	< 0.1 ppm	<0.5 ppm	Conform
Formic acid	bu n°41-4021-3	< 100 ppm	<500 ppm	Conform
APHA colour	APHA n°46	< 10 .	<10 .	Conform
Density @ 20°C	d n°51-1	1.05 .	1.05 .	Conform
Residue after calcination	ev n°44-1	< 5 ppm	<5 ppm	Conform
Acetic acid assay	cris n°9-0376	99.98 %	> 99.5 %	Conform
Aluminium (Al)	ICP N°4-1	< 20 ppb	<50 ppb	Conform
Antimony (Sb)	ICP N°4-1	< 5 ppb	<5 ppb	Conform
Silver (Ag)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Arsenic (As)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Barium (Ba)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Beryllium (Be)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Bismuth (Bi)	ICP N°4-1	< 10 ppb	<20 ppb	Conform
Boron (B)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Cadmium (Cd)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Calcium (Ca)	ICP N°4-1	< 50 ppb	<100 ppb	Conform
Chromium (Cr)	ICP N°4-1	< 10 ppb	<20 ppb	Conform
Cobalt (Co)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Copper (Cu)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Tin (Sn)	ICP N°4-1	< 10 ppb	<20 ppb	Conform
Iron (Fe)	ICP N°4-1	< 50 ppb	<100 ppb	Conform
Gallium (Ga)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Germanium (Ge)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Lithium (Li)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Magnesium (Mg)	ICP N°4-1	< 20 ppb	<50 ppb	Conform
Manganese (Mn)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Molybdenum (Mo)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Nickel (Ni)	ICP N°4-1	< 10 ppb	<20 ppb	Conform
Niobium (Nb)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Gold (Au)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Lead (Pb)	ICP N°4-1	< 10 ppb	<20 ppb	Conform

Potassium (K)	ICP N°4-1	< 10 ppb	<20 ppb	Conform
Sodium (Na)	ICP N°4-1	< 50 ppb	<100 ppb	Conform
Strontium (Sr)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Tantalum (Ta)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Thallium (Tl)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Titanium (Ti)	ICP N°4-1	< 10 ppb	<20 ppb	Conform
Vanadium (V)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Zinc (Zn)	ICP N°4-1	< 20 ppb	<50 ppb	Conform
Zirconium (Zr)	ICP N°4-1	< 5 ppb	<10 ppb	Conform
Particles > 0.5 µm	Particles	< 250 part / mL	<250 part / mL	Conform

• **CONCLUSION :**

Conform

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*Those analytical results are according to the batch number.  
Duplicate is not authorizing without the laboratory approval.*