



PRODUCT CODE: 711019

Hydrochloric Acid 35% for trace metal analysis (ppt)

HCl

M.= 36,46

CAS [7647-01-0]

EINECS 231-595-7

TARIC 2806 10 00 00

SYNONYMS: Muriatic Acid

PHYSICAL DATA: liquid, Miscible with water • D 20/4 1,18 • M.P.: -26 °C • B.P.: 85 °C • Vap. press. (20 °C) 20 hPa •

BIBLIOGRAPHY: Merck Index **12**, 4.821 13, 4.815 Sax **HHL000** • Safety **2**, **1892 D** • Römp **8**, **3672** • Fieser **4450 5333 6283** • ACS **XI** • ISO 6353-2/1983 R - 13, 17 • BP.**2018** • Ph. Eur. **8.0** (2014) 1755 • F.C.C **10218** • Directive 2000/63/EC •

HAZARDOUS: C.E: 017-002-01-X • RTECS: MW 4025000 • LC50 rat 3124ppm (V) / 1h • LC50 inh hmn 3124 ppm / 1h • LC L0 inh hmn 1300 ppm / 30 min • VLA-EC (HCl) 10 ppm15 mg/m3 VLA-ED (HCl) 7,6 mg/m3 VLA-ED (HCl) 5 ppm



H: H314 • H335 •

P: P260 • P261 • P264 • P271 • P280 • P301+P330+P331 • P303+P361+P353 • P304+P340 • P305+P351+P338 • P310 • P312 • P321 • P338 • P363 • P403+P233 • P405 • P501 •

TRANSPORT REGULATIONS: UN: 1789 • ADR: 8/II • IMDG: 8/II • IATA: 8/II • PAX: 851 • CAO: 855 • (E) •

WEIGHT/VOLUME INFORMATION: 1l~1,185 kg 1kg~0,844 l

OBSERVATIONS: Product controlled as a drug precursor. •

SPECIFICATIONS:

Assay (Acidim.)

32-35 %

Maximum limit of impurities

Metals by ICP (in ppt)

Ag	10
Al	20
As	50
Au	50
B	100
Ba	10
Be	10
Bi	10
Ca	10
Cd	10
Ce	10
Co	10
Cr	10
Cs	10
Cu	10
Dy	1
Er	1
Eu	1
Fe	10
Ga	10
Gd	1
Hf	10
Hg	50
Ho	1
In	1
K	10
La	1
Li	10
Lu	10
Mg	10
Mn	10
Mo	10
Na	10
Nb	1
Nd	1
Ni	20
Pb	10
Pr	1
Rb	10
Re	10
Rh	10
Ru	10
Sb	20
Sc	10
Sm	1
Sn	20
Sr	10
Tb	1
Te	1
Th	1
Ti	10
Tl	10
Tm	1
U	1
V	10
W	10
Y	1
Yb	1
Zn	10

Type Analysis

Ag	5
Al	10
As	20
Au	10
B	10
Ba	1
Be	5
Bi	0,05
Ca	10
Cd	0,1
Ce	0,05
Co	3
Cr	10
Cs	0,05
Cu	3
Dy	0,01
Er	0,01
Eu	0,01
Fe	10
Ga	1
Gd	0,01
Hf	0,05
Hg	20
Ho	0,01
In	0,1
K	10
La	0,05
Li	1
Lu	0,01
Mg	5
Mn	2
Mo	5
Na	5
Nb	1
Nd	0,05
Ni	10
Pb	1
Pd	10
Pr	0,05
Pt	1
Rb	1
Re	0,1
Rh	1
Ru	10
Sb	20
Sc	1
Se	50
Sm	0,01
Sn	10
Sr	1
Ta	20
Tb	0,01
Te	1
Th	0,05
Ti	10
Tl	0,1
Tm	0,01
U	0,01
V	1
W	5
Y	0,1
Yb	0,01
Zn	5
Zr	1

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