Hydrochloric acid 33%

1. IDENTIFICATION

CHEMICAL NAME: Hydrochloric acid 33%

CHEMICAL FORMULA: HCl

CAS No.: 7647-01-0

EINECS No.:231-595-7

INDEX No.: 017-002-01-X

MOLECULAR WEIGHT: 36,46 g/mol

2. SPECIFICATIONS FOR SALE

METHOD	MEASUREMENTS	VALUE	UNITS	TOLERANCE
(*)	Hydrochloric acid (HCl)	33	% m/m	Minimum
(*)	Iron content (Fe)	2	ppm	Maximum
(*)	Free chlorine (Cl_2)	10	ppm	Maximum

3. TYPICAL FEATURES

METHOD	MEASUREMENTS	VALUE	UNITS	TOLERANCE
Visual	Aspect	Yellowish solution, corrosive and smoker	-	-
-	Density (20ºC)	1.16 – 1.17	Kg/dm^3	-
-	Water Solubility (20ºC)	All proportions	-	-
-	Viscosity (20ºC)	1,87	mPa.S	-
-	Vapour pressure (20ºC)	5,1	KPa	-
-	Freezing point (101,3 KPa)	- 41	ºC	-
-	Boiling point (101,3 KPa)	72	ºC	-
-	Halogenated organic compounds	17	mg Cl/Kg HCl (100%)	Maximum
Atomic Abs.	Iron (Fe)	170	mg/Kg HCl (100%)	Maximum
Atomic Abs. (H)	Arsenic (As)	3	mg/Kg HCl (100%)	Maximum
Atomic Abs.	Cadmium (Cd)	1	mg/Kg HCl (100%)	Maximum
Atomic Abs.	Chromium (Cr)	3	mg/Kg HCl (100%)	Maximum
An. Hg	Mercury (Hg)	0,5	mg/Kg HCl (100%)	Maximum
Atomic Abs.	Nickel (Ni)	3	mg/Kg HCl (100%)	Maximum
Atomic Abs.	Lead (Pb)	3	mg/Kg HCl (100%)	Maximum
Atomic Abs. (H)	Antimony (Sb)	1	mg/Kg HCl (100%)	Maximum

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