

HCl

HYDROCHLORIC ACID SYNTHETIC

№ CAS 7647-01-0
GOST 857-95



Technical properties:

Indicator description	Classes		
	A	B	
		Top grade	First grade
Appearance	Clear or yellowish liquid		Clear liquid
Mass fraction of chlorine hydride, %, minimum	35	33	31.5
Mass fraction of iron, %, maximum	0.001	0.002	0.015
Mass fraction of residue after ignition, %, maximum	0.010	0.015	0.100
Mass fraction of free chlorine, %, maximum	0.002	0.002	0.008
Mass fraction of arsenic, %, maximum	0.0001	0.0001	0.0002
Mass fraction of mercury, %, maximum	0.0003	0.0004	0.0005

PRODUCTION METHOD. High temperature synthesis of hydrogen chloride from gaseous chlorine and hydrogen with subsequent absorption of hydrogen chloride with water.

APPLICATION. Synthetic hydrochloric acid is used in the chemical, medical, food industries, non-ferrous and iron metallurgy.

SAFETY REQUIREMENTS. In terms of effect on organism, the product pertains to the 2 class of hazard.

PACKING AND TRANSPORTATION. The product is carried in special 42–70 ton rubberized cisterns, polymer barrels, containers.

GUARANTEED SHELF LIFE. Guaranteed shelf life is not limited.

CERTIFICATION. The synthetic hydrochloric acid has a Compliance Certificate and an Application Certificate for the product to be used in technologic processes of oil recovery and transport.

STATE REGISTRATION. The product has been registered in the Potentially Hazardous Chemical and Biological Substances Register of the RF.

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