

QUALITY CONTROL DEPARTMENT

ORDER NUMBER

SPECIFICATION SHEET



PRODUCT

Hydrochloric Acid USP/NF Grade

176740 -0106

SPECIFICATION

04172/GJ/GJ

SPECIFICATION VERSION

2.5000

SPECIFICATION DATE

01/01/2008

PRODUCT SPECIFICATION

TEST	TEST ID	UNITS	REQUIREMENTS
Date Heading	Date Heading		Use By Date, Expiration Date, Retest Date, None
Appearance (c)	L-460		Clear
Identification Chloride	L-1061		Pass
Assay Hydrochloric Acid HCL	L-186	wt. %	36.5 =< Value =< 38 wt. %
USP Residue on Ignition	L-1200	wt. %	0 =< Value =< .008 wt. %
Bromide or Iodide (c)	L-1045		Pass
USP Free Bromine and Chlorine	L-1190		Pass
ACS Sulfate (c)	L-280		Pass
ACS Sulfite (c)	L-425		Pass
Color of Halogenated Solvents	L-021	APHA(Pt-Co)	0 =< Value =< 10 APHA(Pt-Co)
USP231 Heavy Metal (n)	L-1040	ppm	0 =< Value =< 5 ppm
ACS Extractable Organic Subs.c	L-288		Pass
ACS Ammonium (n)	L-419	ppm	0 =< Value =< 3 ppm
Arsenic (n)	L-287	ppm	0 =< Value =< 1 ppm
ACS Iron	L-284	ppm	0 =< Value =< .2 ppm
USP Method 467 Residual Solvents	L-1051		Pass
Country Of Origin	COUNTRY		
Manufacture Name	MFG NAME		
Shelf Life	SHELF LIFE		

REMARKS

All test methods conform to USP31/NF26 requirements.

DOT MARKINGS

UN CODE	PACKAGING GROUP	CAS NUMBER
1789	II	

DOT NAME

UN1789, Hydrochloric Acid 8, PGII

CONTAINS

QUALITY CONTROL DEPARTMENT

ORDER NUMBER

SPECIFICATION SHEET



HAZARD TEXT

Important

The information on the sheet is believed to be accurate but is not warranted to be so. Protective equipment, health effects, and other related safety measures are based on intended and anticipated product use. Recipients are advised to confirm in advance of need that the information is applicable and suitable to their circumstances.