

**PRODUCTS SPECIFICATION SHEET**  
**HYDROCHLORIC ACID**  
**Meets FCC Monograph**

Catalog No: 284000FCC-Size Code\*

*Individual package sizes have unique size codes
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<b>TEST</b>	<b>SPECIFICATION</b>	<b>TYPICAL RESULT</b>
Assay (by weight)	36.5 - 38.0%	37.0%
Identification – Chloride	To Pass Test	Pass
Inorganic Impurities – Iron (Fe)	NMT 5 mg/kg	< 0.05 mg/kg
Inorganic Impurities – Lead (Pb)	NMT 1 mg/kg	< 0.0001 mg/kg
Inorganic Impurities – Mercury (Hg)	NMT 0.10 mg/kg	< 0.0001 mg/kg
Inorganic Impurities – Oxidizing Substances (as Cl <sub>2</sub> )	NMT 0.003%	< 0.0001%
Inorganic Impurities – Reducing Substances (as SO <sub>3</sub> )	NMT 0.007%	< 0.0001%
Inorganic Impurities – Sulfate	NMT 0.5%	< 0.0001%
Organic Impurities – Total Non-Fluorine Containing Organic Compounds	NMT 5 mg/kg including NMT 0.05 mg/kg Benzene	< 0.001 mg/kg
Organic Impurities – Total Fluorine Containing Organic Compounds	NMT 0.0025%	< 0.0001 mg/kg
Color	To Pass Test	Pass
Degree Baume	23°	23°
Non-Volatile Residue	NMT 0.5%	< 0.1%
Specific Gravity @ 15.6°C	1.1856 – 1.1924	1.1885

Form Hydrochloric Acid, FCC, Rev. 1.0, 05/18, EF

This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.