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## PRODUCT SPECIFICATION SHEET

### Hydrochloric Acid 18° Specification

Date: January 7, 2003

Rev#: 1

Chemical Formula: Muriatic Acid ( Hydrochloric Acid)

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Assay, Degrees Baume'	18° minimum
Hydrogen Chloride, wt % as Hcl	27.92 % minimum
Iron, ppm as Fe	5.0 ppm maximum
Sulfate, ppm as SO <sub>4</sub>	50 ppm
Heavy Metals as Pb, ppm	1 ppm maximum
Oxidizing Substances as Cl <sub>2</sub>	30 ppm maximum
Reducing Substances as SO <sub>3</sub>	70 ppm maximum
Color, APHA	30 maximum
Extractable Organic Compounds	
Total Organic Compounds ( Non Fluorine Containing)	5 ppm maximum
Fluorinated Organic Compounds, ppm	25 ppm maximum
Nonvolatile Residue	50 ppm maximum

\* Meets the requirements of the Food Chemical Codex, Second Supplement to the Fourth Edition.