

# Specification Sheet ACS Reagent

## Detrex<sup>®</sup> ACS Reagent 22°

22° Baume ACS Reagent Grade Hydrochloric Acid  
CAS No. 7647-01-0

<u>Parameter</u>	<u>Specification*</u>	<u>Detrex Typical</u>
Assay	34.21 – 36.21%	35.21%
Color (APHA)	10	< 10
Residue after Ignition	5 ppm	< 1 ppm
Bromide (Br)	0.005%	< 0.003%
Sulfate (SO <sub>4</sub> )	1 ppm	< 0.3 ppm
Sulfite (SO <sub>3</sub> )	1 ppm	< 0.25 ppm
Free Chlorine (Cl)	1 ppm	< 1 ppm
Ammonium (NH <sub>4</sub> )	3 ppm	< 0.1 ppm
Arsenic (As)	0.01 ppm	< 0.001 ppm
Heavy Metals (by ICP-OES)	1 ppm	< 0.001 ppm
Iron (Fe)	0.2 ppm	< 0.1 ppm

\*Reagent Chemicals 11<sup>th</sup> Edition Specifications and Procedures

\*All analytical testing is performed in accordance with the monograph requirements or with validated alternative test methods.