

Specification Sheet ACS Reagent

Detrex[®] ACS Reagent 23°

23° Baume ACS Reagent Grade Hydrochloric Acid
CAS No. 7647-01-0

<u>Parameter</u>	<u>Specification*</u>	<u>Detrex Typical</u>
Assay	36.5 – 38.0%	37.5%
Color (APHA)	10	< 10
Residue after Ignition	5 ppm	< 1 ppm
Bromide (Br)	0.005%	< 0.003%
Sulfate (SO ₄)	1 ppm	< 0.3 ppm
Sulfite (SO ₃)	1 ppm	< 0.25 ppm
Free Chlorine (Cl)	1 ppm	< 1 ppm
Ammonium (NH ₄)	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 11th Edition Specifications and Procedures

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