



**TECHNICAL DATA SHEET (TDS)**  
Hydrochloric Acid 37% Solution, Semiconductor Grade  
Product Specifications (CAS# 7647-01-0)

Test	Specification	Typical Results
Appearance	Colorless and free from suspended matter/sediment	Pass
Assay	36.5 - 38.0%	37.31
Color	Max 10 (APHA)	5
Residue after Ignition	Max 5 ppm	1
Bromide (Br)	Max 0.005%	<0.005
Sulfate (SO <sub>4</sub> )	Max 1 ppm	0.2
Sulfite (SO <sub>3</sub> )	Max 1 ppm	0.2
Extractable Organic Substances	Max 5 ppm	<5
Free Chlorine (Cl)	Max 1 ppm	<1
Ammonium (NH <sub>4</sub> )	Max 3 ppm	1
Arsenic (As)	Max 0.01 ppm	0.0001
Heavy Metals (as Pb)	Max 1 ppm	0.2
Iron (Fe)	Max 0.2 ppm	0.05

Appropriate/legal use of this product is the responsibility of the user.

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