

Detrex® FCC 10™ 22°

22° Baume Food Chemical Codex Grade 10ppb Trace Metal Hydrochloric Acid
CAS No. 7647-01-0

<u>FCC Parameter</u>	<u>Specification*</u>	<u>Detrex Typical</u>
Assay	34.21 – 36.21%	35.21%
Degrees Baume	22°	22°
Specific Gravity	1.1741 – 1.1846	1.1789
Identification	Passes Test	Passes test
Iron	NMT 5 mg/kg	< 0.05 mg/kg
Lead	NMT 1 mg/kg	< 0.0001 mg/kg
Mercury	NMT 0.10 mg/kg	< 0.0001 mg/kg
Oxidizing Substances (as Cl ₂)	NMT 0.003%	< 0.0001%
Reducing Substances (as SO ₃)	NMT 0.007%	< 0.000025%
Sulfate	NMT 0.5%	< 0.00003%
Total Non-Fluorine Containing Organic Compounds	NMT 5 mg/kg including NMT 0.05 mg/kg benzene	< 0.001 mg/kg
Total Fluorinated Organic Compounds	NMT 0.0025%	< 0.0000001%
Color (APHA)	10 APHA	< 10 APHA
<u>Nonvolatile Residue</u>	NMT 0.5%	< 0.1 %

* Meets Food Chemicals Codex 11th Edition Specifications.

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

<u>Trace Metal Element</u>	<u>Specification</u>	<u>Detrex Typical*</u>
Aluminum (Al)	10 ppb max	< 5 ppb
Antimony (Sb)	10 ppb max	< 5 ppb
Arsenic (As)	10 ppb max	< 5 ppb
Barium (Ba)	10 ppb max	< 5 ppb
Beryllium (Be)	10 ppb max	< 5 ppb
Bismuth (Bi)	10 ppb max	< 5 ppb
Boron (B)	10 ppb max	< 5 ppb
Cadmium (Cd)	10 ppb max	< 5 ppb
Calcium (Ca)	10 ppb max	< 5 ppb
Chromium (Cr)	10 ppb max	< 5 ppb
Cobalt (Co)	10 ppb max	< 5 ppb
Copper (Cu)	10 ppb max	< 5 ppb
Gallium (Ga)	10 ppb max	< 5 ppb
Germanium (Ge)	10 ppb max	< 5 ppb
Gold (Au)	10 ppb max	< 5 ppb
Indium (In)	10 ppb max	< 5 ppb
Iron (Fe)	10 ppb max	< 5 ppb
Lead (Pb)	10 ppb max	< 5 ppb
Lithium (Li)	10 ppb max	< 5 ppb
Magnesium (Mg)	10 ppb max	< 5 ppb
Manganese (Mn)	10 ppb max	< 5 ppb
Molybdenum (Mo)	10 ppb max	< 5 ppb
Nickel (Ni)	10 ppb max	< 5 ppb
Niobium (Nb)	10 ppb max	< 5 ppb
Platinum (Pt)	10 ppb max	< 5 ppb
Potassium (K)	10 ppb max	< 5 ppb



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Silicon (Si)	10 ppb max	< 5 ppb
Silver (Ag)	10 ppb max	< 5 ppb
Sodium (Na)	10 ppb max	< 5 ppb
Strontium (Sr)	10 ppb max	< 5 ppb
Tantalum (Ta)	10 ppb max	< 5 ppb
Thallium (Tl)	10 ppb max	< 5 ppb
Thorium (Th)	10 ppb max	< 5 ppb
Tin (Sn)	10 ppb max	< 5 ppb
Titanium (Ti)	10 ppb max	< 5 ppb
Vanadium (V)	10 ppb max	< 5 ppb
Zinc (Zn)	10 ppb max	< 5 ppb
Zirconium (Zr)	10 ppb max	< 5 ppb

*All testing completed with PerkinElmer ICP/MS