Detrex® CHEMICALS DIVISION

Specification Sheet NF 50™

Detrex® NF 50™ 20˚

20˚ Baume NF Grade 50ppb Trace Metal Hydrochloric Acid
CAS No. 7647-01-0

Parameter	Specification*	Detrex Typical
Identification	Passes Test	Passes Test
Assay	30.45 – 32.45%	31.45%
Residue on Ignition	0.008%	< 0.001%
Bromide or Iodide	Passes Test	Passes Test
Free Bromine or Chlorine	Passes Test	Passes Test
Sulfate	Passes Test	Passes Test
Sulfite (SO_3)	Passes Test	Passes Test

*Meets USP40-NF35 specifications, US Pharmacopeia Convention
*All analytical testing is performed in accordance with the monograph requirements or with validated alternative test methods.

Trace Metal Element	Specification	Detrex Typical*
Aluminum (Al)	50 ppb max	< 25 ppb
Antimony (Sb)	50 ppb max	< 25 ppb
Arsenic (As)	50 ppb max	< 25 ppb
Barium (Ba)	50 ppb max	< 25 ppb
Beryllium (Be)	50 ppb max	< 25 ppb
Bismuth (Bi)	50 ppb max	< 25 ppb
Boron (B)	50 ppb max	< 25 ppb
Cadmium (Cd)	50 ppb max	< 25 ppb
Calcium (Ca)	50 ppb max	< 25 ppb
Chromium (Cr)	50 ppb max	< 25 ppb
Cobalt (Co)	50 ppb max	< 25 ppb
Copper (Cu)	50 ppb max	< 25 ppb
Gallium (Ga)	50 ppb max	< 25 ppb
Germanium (Ge)	50 ppb max	< 25 ppb
Gold (Au)	50 ppb max	< 25 ppb
Indium (In)	50 ppb max	< 25 ppb
Iron (Fe)	50 ppb max	< 25 ppb
Lead (Pb)	50 ppb max	< 25 ppb
Lithium (Li)	50 ppb max	< 25 ppb
Magnesium (Mg)	50 ppb max	< 25 ppb
Manganese (Mn)	50 ppb max	< 25 ppb
Molybdenum (Mo)	50 ppb max	< 25 ppb
Nickel (Ni)	50 ppb max	< 25 ppb
Niobium (Nb)	50 ppb max	< 25 ppb
Platinum (Pt)	50 ppb max	< 25 ppb
Potassium (K)	50 ppb max	< 25 ppb
Silicon (Si)	50 ppb max	< 25 ppb
Silver (Ag)	50 ppb max	< 25 ppb
Sodium (Na)	50 ppb max	< 25 ppb
Strontium (Sr)	50 ppb max	< 25 ppb
Tantalum (Ta)	50 ppb max	< 25 ppb
Thallium (Tl)	50 ppb max	< 25 ppb
Thorium (Th)	50 ppb max	< 25 ppb
Tin (Sn)	50 ppb max	< 25 ppb
Titanium (Ti)	50 ppb max	< 25 ppb

Vanadium (V)	50 ppb max	< 25 ppb
Zinc (Zn)	50 ppb max	< 25 ppb
Zirconium (Zr)	50 ppb max	< 25 ppb

*All testing completed with PerkinElmer ICP/MS