



**Electronic Chemicals, Inc.**

## Product Information: Ultra Etch NP 20:1

### Standard Package Information

Container Type:	Bottle
Fill Weight kg	17 kg

### Contaminants

### specifications

Contaminants			specifications
Assay	HF	2.32 - 2.52	%
Assay	NH <sub>4</sub> F	37.5 - 38.5	%
Color	APHA	< 10	AP
Surface Tension		< 23	dyn/cm
Chloride	Cl	< 2500	ppb
Nitrate	NO <sub>3</sub>	< 5000	ppb
Phosphate	PO <sub>4</sub>	< 500	ppb
Sulfate	SO <sub>4</sub>	< 1000	ppb
Aluminum	Al	< 20	ppb
Antimony	Sb	< 10	ppb
Arsenic	As	< 10	ppb
Barium	Ba	< 10	ppb
Boron	B	< 10	ppb
Cadmium	Cd	< 10	ppb
Calcium	Ca	< 20	ppb
Chromium	Cr	< 10	ppb
Cobalt	Co	< 10	ppb
Copper	Cu	< 10	ppb
Gallium	Ga	< 10	ppb
Germanium	Ge	< 10	ppb
Gold	Au	< 10	ppb
Iron	Fe	< 20	ppb
Lead	Pb	< 10	ppb
Lithium	Li	< 10	ppb
Magnesium	Mg	< 20	ppb
Manganese	Mn	< 10	ppb
Nickel	Ni	< 10	ppb
Potassium	K	< 20	ppb
Silver	Ag	< 10	ppb
Sodium	Na	< 20	ppb
Strontium	Sr	< 10	ppb
Tin	Sn	< 20	ppb
Titanium	Ti	< 10	ppb
Zinc	Zn	< 10	ppb
0.5 Micron Particle Count		< 200	Par/ml
1.0 Micron Particle Count		< 20	Par/ml

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