



# Specification Report

Printed on: 5-Nov-12

## 408-151901 Standard

Item Code: 408-151901  
Description: Ultra Etch® LFE 4K NP  
Container: CX BASE 150  
Approved on: 30-Sep-2008

Ship to: 408-151901 Standard  
Specification: Standard  
Revision: 1  
Part Number: 408-151901

<u>Parameter</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>
Assay (HF)	1.00	1.06	%
Assay (NH4F)	29.00	30.00	%
Appearance			
Surface Tension		29	dynes/cm
Chloride (Cl)		2,500	ppb
Nitrate (NO3)		5,000	ppb
Phosphate (PO4)		500	ppb
Sulfate (SO4)		1,000	ppb
Aluminum (Al)		20.00	ppb
Antimony (Sb)		5.00	ppb
Arsenic (As)		5.00	ppb
Barium (Ba)		10.00	ppb
Boron (B)		10.00	ppb
Cadmium (Cd)		10.00	ppb
Calcium (Ca)		20.00	ppb
Chromium (Cr)		10.00	ppb
Cobalt (Co)		10.00	ppb
Copper (Cu)		10.00	ppb
Gallium (Ga)		10.00	ppb
Germanium (Ge)		10.00	ppb

<u>Parameter</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>
Gold (Au)		10.00	ppb
Iron (Fe)		20.00	ppb
Lead (Pb)		10.00	ppb
Lithium (Li)		10.00	ppb
Magnesium (Mg)		20.00	ppb
Manganese (Mn)		10.00	ppb
Nickel (Ni)		10.00	ppb
Potassium (K)		20.00	ppb
Silver (Ag)		10.00	ppb
Sodium (Na)		20.00	ppb
Strontium (Sr)		10.00	ppb
Tin (Sn)		20.00	ppb
Titanium (Ti)		10.00	ppb
Zinc (Zn)		10.00	ppb
0.5µ Particle Count		500	par/ml
1.0µ Particle Count		50	par/ml