



Specification Report

Printed on: 5-Nov-12

432-200512 Standard

Item Code: 432-200512
Description: Mixed Acid Etchant 7:1:1
Container: POLY BOTTLE
Approved on: 15-Jun-2011

Ship to: 432-200512 Standard
Specification: Standard
Revision: 1
Part Number: 432-200512

| <u>Parameter</u> | <u>Min</u> | <u>Max</u> | <u>Units</u> |
|------------------|------------|------------|--------------|
| Assay (HF) | 4.20 | 5.20 | % |
| Assay (HNO3) | 56.30 | 58.30 | % |
| Assay (CH3COOH) | 7.70 | 9.70 | % |
| Total Acidity | 12.310 | 13.470 | meq/g |
| Appearance | | | |
| Aluminum (Al) | | 300.0 | ppb |
| Antimony (Sb) | | 30.0 | ppb |
| Arsenic (As) | | 30.0 | ppb |
| Boron (B) | | 100.0 | ppb |
| Calcium (Ca) | | 300.0 | ppb |
| Chromium (Cr) | | 200.0 | ppb |
| Copper (Cu) | | 100.0 | ppb |
| Gold (Au) | | 100.0 | ppb |
| Iron (Fe) | | 300.0 | ppb |
| Lead (Pb) | | 300.0 | ppb |
| Magnesium (Mg) | | 300.0 | ppb |
| Manganese (Mn) | | 300.0 | ppb |
| Nickel (Ni) | | 100.0 | ppb |
| Potassium (K) | | 300.0 | ppb |
| Sodium (Na) | | 300.0 | ppb |

| <u>Parameter</u> | <u>Min</u> | <u>Max</u> | <u>Units</u> |
|---------------------|------------|------------|--------------|
| Tin (Sn) | | 100.0 | ppb |
| Titanium (Ti) | | 100.0 | ppb |
| Zinc (Zn) | | 300.0 | ppb |
| 1.0µ Particle Count | | 20 | par/ml |