

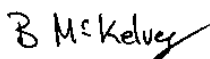
SEASTAR CHEMICALS INC.
INSTRUMENT QUALITY HYDROFLUORIC ACID

CERTIFICATE OF ANALYSIS

Lot No : 519070
Date : October, 1999

| <u>Tests</u> | <u>Units</u> | <u>Value</u> |
|--------------|--------------|--------------|
| Assay | % | 49% |
| Color | APHA | <10 |
| Aluminum | ppb | <0.2 |
| Antimony | ppb | <0.1 |
| Arsenic | ppb | <0.1 |
| Barium | ppb | <0.1 |
| Beryllium | ppb | <0.1 |
| Bismuth | ppb | <0.1 |
| Boron | ppb | <0.5 |
| Cadmium | ppb | <0.1 |
| Calcium | ppb | <0.5 |
| Chromium | ppb | <0.1 |
| Cobalt | ppb | <0.1 |
| Copper | ppb | <0.1 |
| Iron | ppb | <0.5 |
| Lead | ppb | <0.1 |
| Lithium | ppb | <0.1 |
| Magnesium | ppb | <0.2 |
| Manganese | ppb | <0.1 |
| Mercury | ppb | <1 |
| Molybdenum | ppb | <0.2 |
| Nickel | ppb | <0.1 |
| Potassium | ppb | <0.1 |
| Selenium | ppb | <0.1 |
| Silver | ppb | <0.1 |
| Sodium | ppb | <0.2 |
| Strontium | ppb | <0.1 |
| Thorium | ppb | <0.1 |
| Tin | ppb | <0.1 |
| Titanium | ppb | <0.5 |
| Uranium | ppb | <0.1 |
| Vanadium | ppb | <0.1 |
| Zinc | ppb | <0.1 |
| Zirconium | ppb | <0.1 |

Element concentrations are at the point of bottling.
Concentrations of some elements in particular,
Ca, Fe, Zn & Al will increase due to storage in
polyethylene bottles.



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