



## Hydrogen Peroxide SEG<sup>®</sup> Grade

CAS NO 7722-84-1

### Introduction

FMC is the Market leader in supplying high purity hydrogen peroxide to the Electronics Industry. To assure product quality standards are maintained, FMC provides a Total Systems supply approach. The Total Systems approach encompasses all the areas of manufacturing, loading/transportation, delivery, engineering support and research and development. The systems approach means reliable supply, dependable consistent quality and an attention to detail necessary to service the semiconductor industry. FMC supplies SEG<sup>®</sup> high purity hydrogen peroxide from two manufacturing facilities located in Spring Hill, West Virginia and Bayport, Texas. The product line conforms to ACS and semiconductor specifications for wafer etching and cleaning and applications that require high purity and low residue.

### {PRIVATE} Specifications

### FMC Specification

Assay (H <sub>2</sub> O <sub>2</sub> ) % by weight	31.0 - 31.8
Stability, 24 hours @ 100° C	90.0% min
Color (APHA)	6 max
Chloride (Cl)	60 ppb max
Nitrate (NO <sub>3</sub> )	400 ppb max
Phosphate (PO <sub>4</sub> )	200 ppb max
Sulfate (SO <sub>4</sub> )	200 ppb max
Total Organic Carbon (TOC)	20000 ppb max
Free Acid	0.6 µeq/g max
Aluminum (Al)	10 ppb max
Antimony (Sb)	5 ppb max
Arsenic (As)	5 ppb max
Barium (Ba)	10 ppb max
Beryllium (Be)	10 ppb max
Bismuth (Bi)	10 ppb max
Boron (B)	10 ppb max
Cadmium (Cd)	10 ppb max
Calcium (Ca)	10 ppb max
Chromium (Cr)	10 ppb max
Cobalt (Co)	10 ppb max
Copper (Cu)	10 ppb max
Gallium (Ga)	10 ppb max
Germanium (Ge)	10 ppb max
Gold (Au)	10 ppb max
Iron (Fe)	10 ppb max
Lead (Pb)	10 ppb max
Lithium (Li)	10 ppb max
Magnesium (Mg)	10 ppb max
Manganese (Mn)	10 ppb max
Molybdenum (Mo)	10 ppb max
Nickel (Ni)	10 ppb max
Niobium (Nb)	10 ppb max
Potassium (K)	10 ppb max
Silver (Ag)	10 ppb max
Sodium (Na)	10 ppb max
Strontium (Sr)	10 ppb max
Tantalum (Ta)	10 ppb max
Tin (Sn)	10 ppb max
Titanium (Ti)	10 ppb max
Vanadium (V)	10 ppb max
Zinc (Zn)	10 ppb max
Zirconium (Zr)	10 ppb max