



Hydrogen Peroxide RGS[®] 3 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 System 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 RGS[®] high purity hydrogen peroxide from the Spring Hill, West Virginia manufacturing facility. 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 ₂ O ₂) % by weight	31.0 - 31.8
Stability, 24 hours @ 100° C	90.0% min
Color (APHA)	6 max
Chloride (Cl)	10 ppb max
Nitrate (NO ₃)	20 ppb max
Phosphate (PO ₄)	20 ppb max
Sulfate (SO ₄)	20 ppb max
Total Organic Carbon (TOC)	5000 ppb max
Free Acid	0.6 µeq/g max
Aluminum (Al)	10 ppt max
Antimony (Sb)	10 ppt max
Arsenic (As)	10 ppt max
Boron (B)	20 ppt max
Calcium (Ca)	10 ppt max
Chromium (Cr)	10 ppt max
Copper (Cu)	10 ppt max
Gold (Au)	10 ppt max
Iron (Fe)	10 ppt max
Lead (Pb)	10 ppt max
Lithium (Li)	10 ppt max
Magnesium (Mg)	10 ppt max
Manganese (Mn)	10 ppt max
Nickel (Ni)	10 ppt max
Potassium (K)	10 ppt max
Sodium (Na)	10 ppt max
Strontium (Sr)	10 ppt max
Tin (Sn)	10 ppt max
Titanium (Ti)	10 ppt max
Zinc (Zn)	10 ppt max