



Hydrogen Peroxide RGS[®] 1 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)	20000 ppb max
Free Acid	0.6 µeq/g max
Aluminum (Al)	1 ppb max
Antimony (Sb)	1 ppb max
Arsenic (As)	1 ppb max
Boron (B)	1 ppb max
Cadmium (Cd)	1 ppb max
Calcium (Ca)	1 ppb max
Chromium (Cr)	1 ppb max
Cobalt (Co)	1 ppb max
Copper (Cu)	1 ppb max
Gold (Au)	1 ppb max
Iron (Fe)	1 ppb max
Lead (Pb)	1 ppb max
Lithium (Li)	1 ppb max
Magnesium (Mg)	1 ppb max
Manganese (Mn)	1 ppb max
Molybdenum (Mo)	1 ppb max
Nickel (Ni)	1 ppb max
Potassium (K)	1 ppb max
Silver (Ag)	1 ppb max
Sodium (Na)	1 ppb max
Strontium (Sr)	1 ppb max
Tin (Sn)	1 ppb max
Titanium (Ti)	1 ppb max
Vanadium (V)	1 ppb max
Zinc (Zn)	1 ppb max