

EM SCIENCE

CERTIFICATE OF ANALYSIS

NAME: Sulfuric Acid
OmniTrace®, 95.5-96.5%
ITEM NUMBER: SX1247, SX1247/1
LOT NUMBER: 40123
FORMULA: H₂SO₄
FORMULA WT: 98.08

Data Order No: 00053674

PROPERTY	LIMITS		RESULTS	UNITS
	Min.	Max.		
Aluminum (Al)		7	0.3	ppb
Antimony (Sb)		1	< 0.1	ppb
Appearance			Passes test	
Arsenic (As)		2	< 0.1	ppb
Assay	95.5	96.5	95.91	%
Barium (Ba)		1	< 0.1	ppb
Beryllium (Be)		1	< 0.1	ppb
Bismuth (Bi)		1	< 0.1	ppb
Boron (B)		1	< 0.1	ppb
Cadmium (Cd)		1	< 0.1	ppb
Calcium (Ca)		4	0.6	ppb
Chloride (Cl)		100	< 100	ppb
Chromium (Cr)		3	< 0.1	ppb
Cobalt (Co)		1	< 0.1	ppb
Color (APHA)		7	< 7	
Copper (Cu)		2	< 0.1	ppb
Gallium (Ga)		3	< 0.1	ppb
Germanium (Ge)		5	< 0.1	ppb
Gold (Au)		5	< 0.1	ppb
Iron (Fe)		10	2.5	ppb
Lead (Pb)		1	< 0.1	ppb
Lithium (Li)		1	< 0.1	ppb
Magnesium (Mg)		1	0.2	ppb
Manganese (Mn)		1	< 0.1	ppb
Mercury (Hg)		1	< 0.1	ppb
Molybdenum (Mo)		1	0.2	ppb
Nickel (Ni)		5	< 0.1	ppb
Niobium (Nb)		2	< 0.1	ppb
Nitrate (NO ₃)		200	< 200	ppb
Phosphate (PO ₄)		200	25	ppb
Potassium (K)		2	< 0.1	ppb
Selenium (Se)		1	< 0.1	ppb
Silicon (Si)		50	12.5	ppb
Silver (Ag)		1	0.1	ppb
Sodium (Na)		5	2.4	ppb
Strontium (Sr)		1	< 0.1	ppb
Substances reducing permanganate		10	8.8	ppm
Tantalum (Ta)		3	< 0.1	ppb
Thallium (Tl)		2	0.3	ppb
Thorium (Th)		1	< 0.1	ppb
Tin (Sn)		1	< 0.1	ppb
Titanium (Ti)		1	< 0.1	ppb
Uranium (U)		1	< 0.1	ppb
Vanadium (V)		1	< 0.1	ppb
Zinc (Zn)		1	0.3	ppb
Zirconium (Zr)		1	< 0.1	ppb



Charles M. Wilson,
Quality Assurance Manager
Analysis Date: 5/2/00 2:13:20 PM