



Water Quality Standards – CA Title 22 Maximum Contaminant Levels

Required Drinking Water Testing for San Mateo County Domestic Water Systems: Physical, Chemical, and Bacteriological

BIOLOGICAL

Bacteria	Maximum Contaminant Level (MCL)
Coliform Bacteria	Absent

CHEMICAL – PRIMARY INORGANICS

California Code of Regulations, Primary Inorganics (22 CCR, Section 64431)

Chemical or Characteristic	Maximum Contaminant Level (MCL) in parts per million, mg/L
Aluminum	1 ppm
Antimony	0.006 ppm
Arsenic	0.01 ppm
Barium	1 ppm
Beryllium	0.004 ppm
Cadmium	0.005 ppm
Chromium	0.05 ppm
Cyanide	0.15 ppm
Fluoride	2 ppm
Mercury	0.002 ppm
Nickel	0.1 ppm
Nitrate (as N)	10 ppm
Nitrite (as N)	1 ppm
Nitrate + Nitrite (sum as N)	10 ppm
Selenium	0.05 ppm
Thallium	0.002 ppm

CHEMICAL – SECONDARY INORGANICS

California Code of Regulations, Secondary Inorganics (22 CCR, Section 64449)

Chemical or Characteristic	Maximum Contaminant Level (MCL) in parts per million, mg/L
Aluminum	0.2 ppm (also has Primary MCL)
Copper	1 ppm
Iron	0.3 ppm
Manganese	0.05 ppm (0.5 ppm Drinking Water Notification Level)
Silver	0.1 ppm
Zinc	5 ppm

PHYSICAL

Characteristic	Recommended	Upper	Short Term
Total Dissolved Solids	500	1000	1500
Specific Conductance	900	1600	2200
Chlorides	250	500	600
Sulfates	250	500	600

Water samples must be collected from clear running water in sample bottles supplied by a certified analytical laboratory and tested by a certified analytical laboratory.

Volatile and semi-volatile organic compounds, radioactive components, and asbestos testing may be required based on the vulnerability of the specific water source.