

QED's QUICKFILTER® In-Line Groundwater Sampling Filter Certification

QED's QuickFilter® cartridges are batch-checked for purity by an independent analytical laboratory. The manufacturer sends a random selection from the beginning, middle and end of each QuickFilter® production lot to the laboratory. The filters are attached to a water flushing system, and 100 mL of DI water is flushed through the capsule and discarded. As DI water flushing continues, 30-50 mL are collected into sample test containers. To pass the certification, all filter batch sample analyses must be below the concentration levels listed in the charts (below), which are the minimum EPA reporting levels for the tests used for each compound.

Cations & Anions	Maximum Concentration Levels (mg/L)	EPA Testing Method
Bromide	0.20	300.0
Chloride	1.0	300.0
Fluoride	0.040	300.0
Nitrate	0.045	300.0
Nitrite	0.061	300.0
Ortho-phosphate	0.0060	365.1
Sulfate	5.0	300.0

Metals	Maximum Concentration Levels (µg/L)	EPA Testing Method
Aluminum	10	200.8
Antimony	0.50	200.8
Arsenic	2.0	200.8
Barium	1.0	200.8
Beryllium	0.20	200.8
Cadmium	0.20	200.8
Calcium	50	200.8
Chromium	0.50	200.8
Cobalt	0.20	200.8
Copper	0.70	200.8
Iron	20	200.8
Lead	0.60	200.8
Magnesium	30	200.8
Manganese	0.50	200.8
Mercury	0.20	245.1
Molybdenum	0.30	200.8
Nickel	0.60	200.8
Potassium	100	200.8
Selenium	1.0	200.8
Silver	0.20	200.8
Sodium	50	200.8
Thallium	0.40	200.8
Tin	1.0	200.8
Vanadium	1.1	200.8
Zinc	6.0	200.8

