

Trace Metals on Filter Media for Industrial Hygiene and Ambient Air Analysis

The following trace metals on filter media are designed to meet the QC requirements for Method 7300. The filters are mixed cellulose ester type with 0.8 µm pore size and 37 mm diameter. Each set includes 10 filters and 5 blank filters. Each filter is spiked with 16 to 17 elements, ranging in concentration from 1 to 100 µg per filter. The concentrations on each filter are certified to ± 1 percent. A Certificate of Analysis is provided with each set stating the exact concentrations. The elements and their target concentrations are as follows:

Each set of filters includes 10 spiked filters and 5 blanks

Catalog No.	QC-TMFM-A	QC-TMFM-B	QC-TMFM-C	QC-TMFM-D	QC-TMFM-E	QC-TMFM-F
Elements	µg per Filter	µg per Filter	µg per Filter	µg per Filter	µg per Filter	µg per Filter
Aluminum	--	--	--	50	100	--
Arsenic	10	50	100	10	20	10
Barium	2.5	10	25	2.5	5	2.5
Beryllium	1	10	25	0.1	0.2	1
Cadmium	1	10	25	1	2	1
Chromium	2.5	10	25	2.5	5	2.5
Cobalt	2.5	10	25	2.5	5	2.5
Copper	2.5	25	50	2.5	5	2.5
Iron	2.5	25	50	2.5	5	2.5
Lead	2.5	25	50	2.5	5	2.5
Manganese	1	10	25	1	2	1
Nickel	2.5	10	25	2.5	5	2.5
Selenium	5	25	50	5	10	5
Silver	1	5	10	1	2	1
Thallium	2.5	10	25	2.5	5	2.5
Uranium						2.5
Vanadium	2.5	10	25	2.5	5	2.5
Zinc	2.5	50	100	2.5	5	2.5

Trace, minor and major concentrations of metals can be prepared on mixed cellulose acetate, glass, PVC or PTFE filters. Call (843) 767-7900 for information on the different elements or materials that can be deposited on filter media.

For the complete selection of metals on filter media visit our website.