

Filters & Cassettes



Coated (Treated) Filters

Chemical	Method*	Filter Coating	Notes	Pack Size	Part Number
Acetic anhydride	OSHA 82	2 Glass filters; 1-(2-pyridyl) piperazine 4-piece, 37 mm cassette	1	10	225-9009
Acetic anhydride	OSHA 102	2 Glass filters; veratrylamine and di-n-octyl phthalate 4-piece, 37 mm cassette	3	10	225-9010
4-Aminobiphenyl	OSHA 93	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette		10	225-9004
Aniline	NIOSH 2017	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette	6	10	225-9004
Arsenic, inorganic (volatile compounds as As)	OSHA ID-105	1 MCE filter and cellulose pad; sodium carbonate 3-piece, 37 mm cassette		10	225-9001
Benzidine	OSHA 65	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette		10	225-9004
Bromine	NIOSH 6011	1 PTFE pre-filter and polypropylene support; specially cleaned silver membrane and polypropylene support 3-piece, 25 mm cassette		5	225-9006
Chlorine	NIOSH 6011	1 PTFE pre-filter and porous plastic support; specially cleaned silver membrane and porous plastic support 3-piece, 25 mm cassette		5	225-9006

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Crotonaldehyde	OSHA 81	2 Glass filters; 2,4-dinitrophenylhydrazine and phosphoric acid 3-piece, 37 mm cassette	1	10	225-9019
o-Dianisidine	OSHA 71	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette		10	225-9004
3,3-Dichlorobenzidine	OSHA 65	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette		10	225-9004
Diisocyanates — 1,6-Hexamethylene diisocyanate (HDI), Toluene-2,4-diisocyanate (2,4-TDI), Toluene-2,6-diisocyanate (2,6-TDI)	OSHA 42	1 Glass filter and cellulose support; 1-(2-pyridyl) piperazine 3-piece, 37 mm cassette	1, 4 1, 3, 4	10	225-9002 225-9013
Diisocyanates — Toluene-2,4-diisocyanate (2,4-TDI), Toluene-2,6-diisocyanate (2,6-TDI)	ASTM D5836†	1 Glass filter and cellulose support; 1-(2-pyridyl) piperazine 3-piece, 37 mm cassette	1, 4 1, 3, 4	10	225-9002 225-9013
Diphenylamine	OSHA 78	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette		10	225-9004
Fluorides	OSHA ID-110 NIOSH 7902 NIOSH 7906 ASTM D4765	1 MCE filter and cellulose pad; sodium carbonate 3-piece, 37 mm cassette	8	10	225-9001
Glutaraldehyde	OSHA 64	2 Glass filters; 2,4-dinitrophenyl hydrazine and phosphoric acid 4-piece, 37 mm cassette	1	10	225-9003
Hydrazine	OSHA 108	2 Glass filters; sulphuric acid		10	225-9012

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		3-piece, 37 mm cassette			
Hydrogen Peroxide	NON 57	1 Quartz filter; titanium oxysulphate hydrate 2-piece 25 mm cassette	z	10	225-9030
Isocyanates			5	12	225-9022
Toluene-2,4-diisocyanate (2,4-TDI), Toluene-2,6-diisocyanate (2,6-TDI), Hexamethylene diisocyanate	ASTM D5932 ASTM D6561 ASTM D6562	1 PTFE filter, 1 Glass Fibre filter treated with MAMA (ISO-CHEK Sampling System) 3-piece, 37 mm cassette	5	36	225-9022A
Isocyanates Hexamethylene diisocyanate (HDI) Hexamethylene diisocyanate biuret (HDI-BT) Hexamethylene diisocyanate isocyanurate (HDI-IC) Isophorone diisocyanate (IPDI) 4,4-Methylene bisphenyl isocyanate (MDI) 2,4-(Toluene diisocyanate) (2,4-TDI) 2,6-(Toluene diisocyanate) (2,6-TDI)	Oregon-OSHA 1010	1 Glass filter; MAMA 13 mm preloaded in a 13 mm Swinnex holder	1, y	5	225-9029
Isocyanates, organic	MDHS 25/3 (UK)	AE Glass filter; methoxyphenyl piperazine 25 mm filters only, not in preloaded cassettes	1, 7	5	Special Order

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N-Isopropylaniline	OSHA 78	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette		10	225-9004
Maleic anhydride	OSHA 86	2 Glass filters; veratrylamine 3-piece, 37 mm cassette	1	10	225-9021
Maleic anhydride	‡	Glass filter;veratrylamine 3-piece, 37 mm cassette	1	10	225-9028
Mercaptans (methyl-, ethyl-, n-butyl, and phenyl-)	NIOSH 2542 OSHA 26 OSHA PV2075	1 Glass filter; mercuric acetate 2-piece, 37 mm cassette	1	10	225-9007
4,4'-Methylene bis (2-chloroaniline) (MOCA)	OSHA 71	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette		10	225-9004
1-Naphthylamine	OSHA 93	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette		10	225-9004
Nitrobenzene	NIOSH 2017	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette	6	10	225-9004
Ozone	OSHA ID-214	2 Glass filters; nitrite-impregnated 3-piece, 37 mm cassette	1, 3	10	225-9014
Phenylenediamine (o-, m-, p-)	OSHA 87	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette		10	225-9004
Phosphine	OSHA 1003	1 Glass filter; 1 polyester filter treated with mercuric chloride 3-piece, 37 mm cassette	1, 3	10	225-9018
Sulphur dioxide	NIOSH 6004 (modified)	1 MCE pre-filter and support/1 cellulose filter and support; sodium carbonate 3-piece, 37 mm cassette		10	225-9005
o-Tolidine	OSHA 71	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette		10	225-9004

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2,4-Toluendiamine	OSHA 65	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette		10	225-9004
2,6-Toluendiamine	OSHA 65	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette		10	225-9004
o-Toluidine	NIOSH 2017	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette	6	10	225-9004
Toluidine (o-, m-, p-)	OSHA 73	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette		10	225-9004
1,3,5-Triglycidyl isocyanurate (TGI)	OSHA PV2055	1 Glass filter; hydrobromic acid 3-piece, 37 mm cassette		10	225-9027
n-Valeraldehyde	OSHA 85	3 Glass filters; 2,4-dinitrophenylhydrazine and phosphoric acid 3-piece, 37 mm cassette	1	10	225-9020
m-Xylenediamine, p-Xylenediamine (m-XDA, p-XDA)	OSHA 105	2 Glass filters; sulphuric acid 3-piece, 37 mm cassette		10	225-9004

Notes

- Storage below 4° C required
- Custom order due to very limited shelf-life
- While meeting the specifications of OSHA Methods 42 and 47, Coated Filter Part Number. 225-9002 contains a higher than specified loading of reagent to increase stability and shelf-life. Coated Filter Part Number 225-9002 traps both vapour and aerosol phases. SKC also offers Coated Filter Part Number 225-9013 that contains the specified reagent loading for OSHA 42 and 47, but has a freezer shelf-life of only three months.
- Meets multiple ASTM methods: ASTM D5932 for 2,4 and 2,6-TDI ASTM D6561 for HDI ASTM D6562 for HDI
- NIOSH Method 2017 also requires SKC Sorbent Tube Part No. 226-15.
- Filters only; not in preloaded cassettes

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8 Collects both vapour and aerosol phases of fluorides. The concept of sampling for fluorides in air using a double filter is patented in Canada by IRSST (Institut de recherche en santé et Robert-Suavé en sécurité du travail du Québec), 21-April-92, Patent No. 1,299,114.

9 OSHA 57 is an update of NIOSH 5029 which called for a single filter

y Requires Impinger, Part No. 225-36-1

z Also requires Sorbent Tube Part Number 226-193-UC or 226-199-UC for simultaneous, separate sampling of peracetic acid

† ASTM D5836 and D5932 for 2,4-TDI, 2,6-TDI only

‡ For inhalable TLV; analysis by OSHA 86

* The methods listed are the most widely used.

** Coated filters have a limited shelf life

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