



EPA Method TO-11A and IP-6C

Formaldehyde Sample Tubes

- High capacity
- Low background
- Meet EPA and ASTM specifications
- Available with ozone scrubber
- Environmental and industrial hygiene applications

Description

SKC Formaldehyde Tubes meet the specifications of EPA Method TO-11A (Jan. 1997) and ASTM Method D 5197 (May 1997) for the determination of formaldehyde (and other aldehyde) concentrations in ambient and indoor air without the incompatibility and breakthrough problems of the cartridges specified in EPA TO-11.

SKC Formaldehyde Tube Cat. No. 226-119 is 6-mm OD x 110-mm long and contains a 300-mg front sorbent section and a 150-mg backup sorbent section. The sorbent is silica gel with ultra-low background coated with 2,4-dinitrophenylhydrazine (DNPH) as specified in EPA TO-11A and ASTM D 5197. SKC tube Cat. No. 226-120 is 8-mm OD x 115-mm long and contains the same coated sorbent and backup sections. However, it also contains a section of potassium iodide that acts as an ozone scrubber as suggested in ASTM D 5197.

Applications

Ultra-low background, high capacity, and low pressure drop make SKC Formaldehyde Tubes extremely useful for both environmental and industrial hygiene applications. In addition, the DNPH chemistry lends itself to monitoring other aldehydes simultaneously in the workplace environment.

When sampling for formaldehyde in the presence of ozone, use SKC tube Cat. No. 226-120 with built-in ozone scrubber section. The scrubber section removes ozone from the sample stream eliminating background interference during analysis.



Performance

Formaldehyde and other aldehydes react with DNPH to form stable hydrazones, which are extracted from the silica gel and analyzed by liquid chromatography. SKC Formaldehyde Tubes can be used with standard personal sampling pumps up to 1 L/min and have a backup section to detect sample breakthrough. With their ultra-low formaldehyde background, SKC Formaldehyde Tubes meet EPA TO-11A requirements.

Ordering Information

Description	Cat. No.	Qty.
Formaldehyde Sampling Tube* , silica gel with ultra-low background coated with 2,4-dinitrophenylhydrazine, 150/300 mg <i>Freezer storage required.</i>	226-119	20
Formaldehyde Sampling Tube* , with built-in ozone scrubber (potassium iodide), silica gel with ultra-low background coated with 2,4-dinitrophenylhydrazine, 150/300/1500 mg <i>Freezer storage required.</i>	226-120	20

* This tube is not suitable for sampling acrolein.

SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skcinc.com/warranty.asp>.