



Operating Instructions

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Sorbent Sample Tube Cat. No. 226-120

Description

Sorbent sample tube Cat. No. 226-120 is a three-section tube containing 300 and 150 mg of DNPH-coated silica gel, respectively (sample section and backup section to detect breakthrough), and a 1500 mg section of potassium iodide that acts as an ozone scrubber.

Store at ≤ 39.2 F (4 C). Limited shelf-life; check expiration date on packaging.

Caution: Do not store with food.

Sampling

The 226-120 sorbent sample tube can be used at flow rates up to 1 L/min. For additional sampling parameters, consult the method used. Sampling parameters may vary with ambient concentrations of the analyte.

This sorbent tube is **not recommended for the collection of acrolein** due to numerous problems reported with the instability of the acrolein-DNPH derivative during collection and storage.

Sampling Notes

Ozone: Ozone interference is associated with DNPH-coated adsorbent tubes. Sorbent sample tube Cat. No. 226-120 contains a built-in ozone scrubber that may be used in atmospheres where ozone is present to help eliminate this interference.

Acetonitrile: The sorbent inside these tubes contains a small amount of residual acetonitrile used in processing the sorbent. Acetonitrile may off-gas during sampling; therefore, exposure monitoring for acetonitrile should **not** be performed concurrently when these sorbent tubes are in use.

Background

See Certificates of Analysis in the Knowledge Center at www.skcinc.com: search on Silica Gel, DNPH Treated, High Purity and select the Lot Number that matches the Lot Number printed on the tube.

Analysis of Formaldehyde Samples

1. Place each sorbent section into separate glass vials. Discard the ozone scrubber section according to state and federal guidelines.
2. Add 3 ml of acetonitrile to each vial. Cap each vial.
3. Shake each vial periodically over a 30-minute period.
4. Analyze sample extracts by HPLC with UV detection at 365 nm.

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 skcinc.com/warranty.

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