



NO/NO₂ Sample Tube Cat. No. 226-40A Operating Instructions

Performance Profile

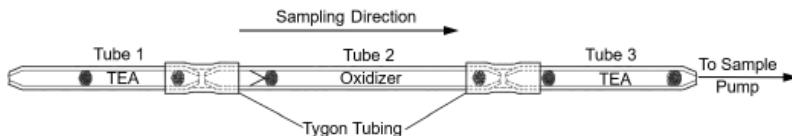
Sampling Rate	0.1 L/min. Note: This flow rate is a departure from the NIOSH method.
Shelf-life	Limited; check expiration date on packaging.
Storage	≤ 39.2 (4 C) Caution: Do not store with food.

Description

SKC Sample Tube Cat. No. 226-40A consists of three sorbent tubes connected in series. See the figure below in Sampling. Tube 1 contains triethanolamine (TEA)-treated molecular sieve that collects NO₂ while NO passes into tube 2; the oxidizer sorbent in tube 2 converts the NO to NO₂; and the converted NO into NO₂ is collected on the TEA-treated molecular sieve in tube 3. **Note:** Do not use OSHA Method ID-190 to analyze for NO using sample tube Cat. No. 226-40A as it will not work with that method. The oxidizer sorbent in this tube requires different calculations and correction factors, which are available in the NO validation report at www.skcinc.com.

Sampling

1. Before sampling, break glass ends of the tubes and connect the tubes with supplied Tygon® tubing as shown below. Note that Tube 1 contains 400 mg of sorbent and Tube 3 contains 600 mg of sorbent. Place the oxidizer tube in the middle of the train.



2. After sampling, separate the tubes, discard the oxidizer tube, and cap all open ends of the remaining tubes until analysis can be performed. Caps are supplied with tubes.

Note: The Cat. No. 226-40A oxidizer sorbent contains some chemicals on the European Union Regulation for Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) list of Substances of Very High Concern (SVHC). In compliance with REACH and a European Court of Justice ruling on SVHC, SKC will declare that two components of the oxidizer sorbent (chromium trioxide and potassium dichromate) contain more than 0.1% by weight of SVHC. Because SKC is exporting less than 1 metric ton of these SVHC per year, it is not required to register with the European Chemical Agency.