



Operating Instructions

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NO/NO₂ Sample Tube Cat. No. 226-40A

SKC Sample Tube Cat. No. 226-40A replaces SKC Sample Tube Cat. No. 226-40 for sampling nitric oxide (NO) and nitrogen dioxide (NO₂). Cat. No. 226-40A contains a new oxidizer sorbent developed by SKC to replace the previous oxidizer, which was discontinued by its manufacturer.

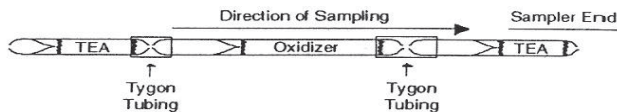
Do **not** use OSHA Method ID-190 to analyze for NO using SKC Cat. No. 226-40A—this sample tube will not work with that method. The new oxidizer sorbent requires new calculations and correction factors, which are available in the NO validation report at www.skcinc.com.

Sampling

Three tubes are connected in series: NO₂ is collected on a triethanolamine (TEA)-treated molecular sieve in the first tube while NO passes into the second tube; the oxidizer sorbent in the second tube converts NO to NO₂; and the converted NO into NO₂ is collected on another section of TEA sorbent in the third tube.

Before sampling: Break glass ends and connect tubes with supplied Tygon® tubing. Place the oxidizer tube in the middle of the train (*see figure below*).

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.