

# ADSORBENT TUBE



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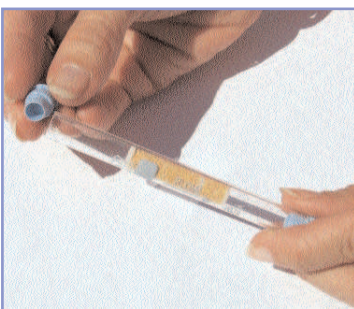
NIOSH, OSHA and EPA standards required the use of sorbent tubes for the "active" sampling of several toxic chemical substances present in air. From the quantity of the collected substances, it is possible, knowing the sampled air volume, to go back to the environmental concentration presence.

## SAMPLING TUBES

### MAIN FEATURES

- Available range:
  - **Carbon Tube:** for BTEX/SOV sampling
  - **Carbon Tube for H<sub>2</sub>S:** for hydrogen sulphide sampling
  - **DNPH Tube:** for aldehydes sampling
  - **Hopcalite Tube:** for mercury sampling
  - **Silica Tube:** for inorganic acid, amine, amides sampling
  - **Silica Tube + H<sub>2</sub>SO<sub>4</sub>:** for ammonia sampling
  - **Silica Tube + TEA:** for nitrogen dioxide (NO<sub>2</sub>) sampling
  - **Silica Tube + TEA + Oxidant:** for nitrogen oxides (NO<sub>x</sub>) sampling

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*The tubes have been developed in compliance with the user safety.*

*Infact it is no longer necessary to break the tube before using: simply you ahve to remove the two sealing caps.*

Some possible **APPLICATIONS** are:

- working places
- emissions
- air quality

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With the help of a practical supplied **EXTRACTOR** it is possible to rotate easily the porous septum nad, if necessary, hook them for removing. The adsorbent substrate can be removed without breaking the tube, thus avoiding possible accidental cuts of the user's hand and the shedding of glass in the laboratory.



- **Tenax Tube:**  
for sampling of odours and medium-high boiling compound
- **XAD2 Tube:**  
for sampling of high stable organic substance and with high molecular weight (pesticides, weed killer, PCB, dioxines, etc.)
- **XAD7 Tube:**  
for sampling of diol, cresol and phenol

## OTHER FEATURES

- *Dimensions:*
  - **Standard:**  
substratum quantity: 75 - 150 mg  
internal diameter: 5,6 mm  
external diameter: 8,2 mm
  - **Large:**  
substratum quantity: 200 - 400 mg  
internal diameter: 6,4 mm  
external diameter: 8,7 mm
  - **Jumbo:**  
substratum quantity: 200 - 800 mg  
internal diameter: 6,4 mm  
external diameter: 8,7 mm
- *Microporous septum:*  
in pure polyethylene (to avoid adsorption cases during the sampling), with high porosity to reduce the pressure drop
- Tubes are sealed with stoppers easy to open and to close.
- *Packaging:*  
5, 10 and 40 pieces. Inside the box the tubes are in packs of 5 pieces under vacuum.

## QUALITY CERTIFICATE

Each batch of tubes (except Tenax, hopcalite, XAD2 and XAD7) comes with a Quality Certificate. The quality control is carried out by the Salerno University - Dep. of Chemistry

## STORAGE MODE

- **Silica Tube:**  
as silica gel is particularly affected by moisture, it is recommended to keep the box in a dry place and away from place where acids are used or stored
- **DNPH Tube:**  
keep the tube in the dark, at 4°C and away from chemicals and solvent
- **Activated Tube:**  
keep the tube at 4°C and away from chemicals and solvent

## ACCESSORIES

- Porous septum extractor



## STORAGE MODE

- **Sodium sulphate anhydrous:**  
crystal from 10-60 mesh type Jumbo for moisture retention  
Na<sub>2</sub>SO<sub>4</sub> content: 1 g
- **Potassium iodide type Large:**  
for the reduction of ozone interference on aldehydes sampling  
Potassium iodide content: 300 g

Distributor:



AZIENDA CERTIFICATA  
UNI EN ISO 9001



Via della Levata n°14 - 20084 Lacchiarella (MI)  
Tel. 02.90091399 Fax 02.9054861  
e-mail: [info@aquariasrl.com](mailto:info@aquariasrl.com)  
[www.aquariasrl.com](http://www.aquariasrl.com)