

Information Data Sheet



Detector Tube Arsine-0.05

Part No. (US): 10072098

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1. Application

Detection of arsine (AsH₃) in air or in technical gases.

2. Detector Tube Sampling Pump

UNIPHOS KWIK DRAW (formerly MSA AUER) Gas-Tester[®] IIH, Gas-Tester[®] I / ThumbPump[™]-Sampler, Toximeter[®] II, Uniphos Kwik-Draw[™]-Pump or other suitable detector tubes pumps. Observe respective instructions for use.

3. Measuring Range

0.05 ppm ... 1 ppm arsine at n=10 (10 strokes)

4. Chemical Reaction and Color Change

Reaction of arsine with silver compound forming metallic silver.

Color change: white → brown

5. Ambient Conditions During Sampling

• Detector tubes can be used without compensation of reading between 0 °C and 40 °C (32 °F and 104 °F) and between 10 % rh (0.5 g/m³ at 0 °C [32 °F]) and 90 % rh (46 g/m³ at 40 °C [104 °F]).

6. Interferences and Cross Sensitivities

- a) No interference from:
 - higher saturated hydrocarbons (e. g. hexanes, octanes), olefinic hydrocarbons (e. g. ethylene)
 - aromatic hydrocarbons (e. g. benzene) up to 0,5 vol.% (n=10).
 - sulfur dioxide, carbon disulfide up to 500 ppm (n=10).
- b) Phosphine gives a stain about twice as long as arsine
- c) Hydrogen sulfide will be indicated by a yellow-brown stain, significantly lighter than arsine stain and with a similar stain length.
- d) Acetylene will not be indicated.

Manufactured By:

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