

Information Data Sheet

Detector Tube **C₆H₆-1**

Part No. (US): **807024**

Part No. **D5086835**

1. Application

Detection of benzene (C₆H₆) in air or in technical gases.

2. Detector Tube Sampling Pump

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

1 ppm ... 25 ppm benzene at 15 pump strokes (n=15).
5 ppm ... 100 ppm benzene at 4 pump strokes (n=4).

4. Chemical Reaction and Color Change

Oxidation of benzene by an iodate/ sulfuric acid reagent.

Color change: White → Brown.



5. Ambient Conditions During Sampling

Detector tubes can be used without compensation of the reading between 0 °C and 40 °C (32 °F and 104 °F) and up to 90 % RH (46 g/m³ at 40 °C [104 °F]). Do not use detector tube if protective layer has totally changed from dry to wet by water vapour.

6. Interferences and Cross Sensitivities

- a) No interference from:
 - hydrogen, methane, ethane, carbon dioxide.
 - propane up to 2 vol.%.
- b) Higher aromatic hydrocarbons (e.g. toluene, xylenes) will be indicated by a brown discoloration.
- c) Higher saturated hydrocarbons (e.g. hexanes, octanes), olefinic hydrocarbons (e.g. ethylene), carbonmonoxide, hydrogen sulfide are indicated by a slight brown discoloration.

Manufactured By:

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