

Information Data Sheet

Detector Tube Aromatic Hydrocarbons

Part No. (US): 804132

Part No. D5086811

1. Application

Detection of aromatic hydrocarbons.

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.

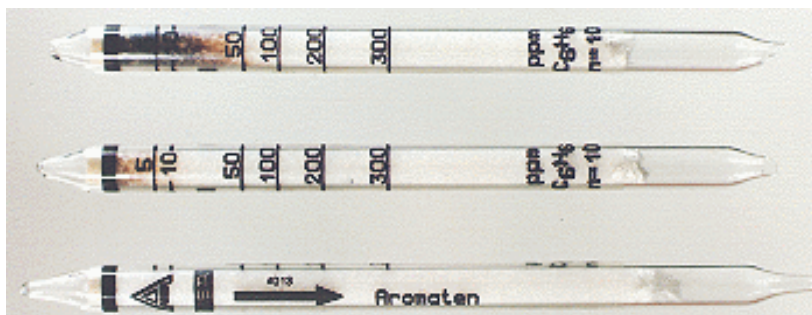
3. Measuring Range

5 ppm ... 300 ppm benzene (C₆H₆) at n=10 (10 pump strokes).

4. Chemical Reaction and Color Change

Oxidation of aromatic hydrocarbons by a iodate/ sulfuric acid reagent.

Color change: white → brown.



5. Ambient Conditions During Sampling

Detector tubes can be used between 5 °C and 40 °C (41 °F and 104 °F) and up to 80 % rh (40 g/m³ at 40 °C [104 °F]).

6. Interferences and Cross Sensitivities

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

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