

Information Data Sheet

Detector Tube Triethylamine-5

Part No. (US): 804134

Part No. D5086816

1. Application

Detection of triethylamine ($\text{N}(\text{C}_2\text{H}_5)_3$).

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.

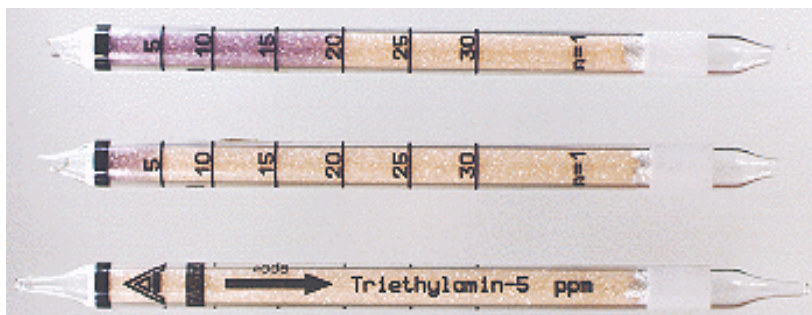
3. Measuring Range

5 ppm ... 30 ppm triethylamine at n=1 (1 pump stroke).

4. Chemical Reaction and Color Change

Change of pH-value causes color change of an acid-base-indicator.

Color change: pink resp. yellow → green resp. blue.



5. Ambient Conditions During Sampling

Detector tubes can be used between 10 °C and 30 °C (50 °F and 86 °F) and in the humidity range between 5 g/m³ (50 % rh at 10 °C [50 °F], 30 % rh at 20 °C [68 °F], 15 % rh at 30 °C [86 °F]) and 12 g/m³ (70 % rh at 20 °C [68 °F], 40 % rh at 30 °C [86 °F]).

6. Interferences and Cross Sensitivities

- No interference from:
 - hydrogen, methane, ethane, propane, carbon monoxide.
 - carbon dioxide up to 1 vol %.
 - nitrogen dioxide, hydrogen sulfide up to 50 ppm.
- Ammonia and other alkaline gases and vapors (e.g. hydrazine) will be indicated. The sensitivity of indication is different.
- Strong acid gases (e.g. sulfur dioxide, hydrogen chloride) are not indicated but will decrease stain length of triethylamine indication even when concentrations correspond to measuring range of detector tube.

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