

Information Data Sheet

Action Detector Tube HCl-A

Part No. (US): 804413

Part No. D5085762

1. Application

Quick orientative check of ambient atmosphere for hazardous hydrogen chloride (hydrochloric acid gas, HCl) concentrations.

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

The action detector tube has two marks conforming the following concentrations:

Mark 1: 5 ppm hydrogen chloride at 2 pump strokes (n=2).

Mark 2: 25 ppm hydrogen chloride at 2 pump strokes (n=2).

4. Chemical Reaction and Color Change

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

Color change: blue → yellow



5. Ambient Conditions During Sampling

• Detector tubes can be used without compensation of the reading between 10 °C and 35 °C (50 °F and 95 °F) and between 20 % rh (19 g/m³ at 10 °C [50 °F]) and 80 % rh (32 g/m³ at 35 °C [95 °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 1 vol.%..

- sulfur dioxide, hydrogen sulfide, nitric oxide, nitrogen dioxide, hydrogen cyanide, ammonia up to 50 ppm.

b) Halogens (chlorine, bromine), phosgene, nitric acid vapors will be indicated. The sensitivity of indication is different.

Manufactured By:

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