

Information Data Sheet

Detector Tube Ethyl acetate-200

Part No. (US): 10024253

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1. Application

Detection of ethyl acetate (C₄H₈O₂) in air or in technical gases.

2. Detector Tube Sampling Pump

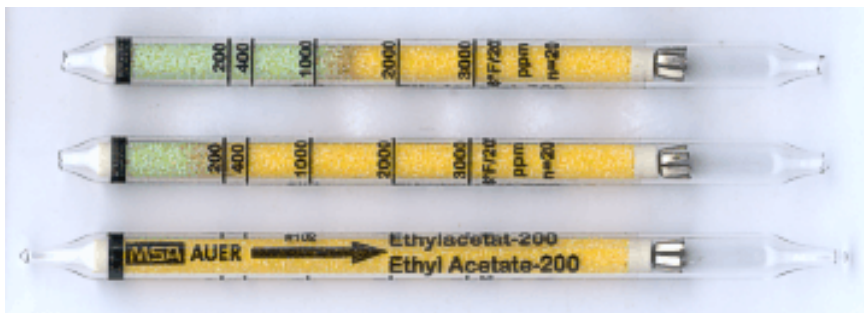
UNIPHOS KWIK DRAW (formerly MSA AUER) Gas-Tester[®] IIH, Gas-Tester[®] I / ThumbPump[™]-Sampler, Toximeter[®] II, Uniphos Kwik-Draw[™]-Pump or other suitable detector tubes pumps. Observe respective instructions for use.

3. Measuring Range

200 ppm ... 3000 ppm ethyl acetate at n = 20 (20 pump strokes).

4. Chemical Reaction and Color Change

Oxidation of ethyl acetate by a chromate/sulfuric acid reagent.
Color change: orange → grey/green.



5. Ambient Conditions During Sampling

Detector tubes can be used between 5 °C and 40 °C [41 °F and 104 °F] and between 3 and 15 g H₂O/m³.

The calibration scale on detector tube is exactly valid if tubes have a temperature of 20 °C (68 °F) during measurement. If detector tube temperature deviates from 20 °C (68 °F), multiply reading (ppm) with appropriate correction factor (see table):

| | | | | | | | | |
|-----------------------------------|----|-----|------|----|-----|-----|------|-----|
| Temperature of detector tube (°C) | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 |
| Temperature of detector tube (°F) | 41 | 50 | 59 | 68 | 77 | 86 | 95 | 104 |
| Correction factor | 2 | 1,4 | 1,25 | 1 | 0,8 | 0,7 | 0,65 | 0,6 |

6. Interferences and Cross Sensitivities

Saturated hydrocarbons (e.g. hexane), aromatic hydrocarbons (e.g. benzene), alcohols (e.g. ethanol), cetones (e.g. acetone), ethers and esters will be indicated. The sensitivity of indication is different.

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