

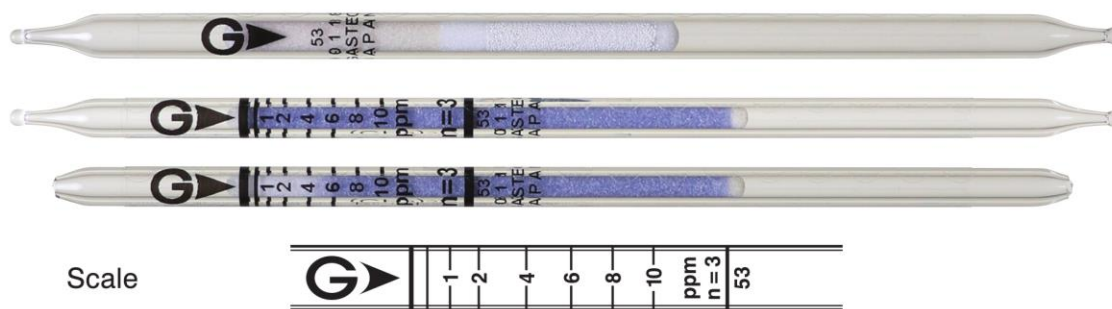


Dimethyl Sulphide (CH₃)₂S

Part No.:53

Pyrotube

Dimethyl Sulphide (CH₃)₂S No.53



Performance The minimum scale value (0.5ppm) is not printed on the tube, but only the scale line is printed.

| | | |
|---|--|-----------------|
| Measuring range | 0.15 to 0.5 ppm | (0.5) to 10 ppm |
| Number of pump strokes | 5 (500 mL) | 3 (300 mL) |
| Correction factor | 0.3 | 1 |
| Sampling time | 7.5 min | 4.5 min |
| Detecting limit : | 0.15 ppm (5 pump strokes) | |
| Colour change : | Bluish purple → White | |
| Operating conditions : | Temperature 0 to 35 °C (32 to 95 °F) correction used | |
| | Relative humidity 0 to 90 % correction not used | |
| Tube quantity and number of tests per box : | 10 tubes for 5 tests | |
| Shelf life : | 24 months | |

Reaction principle

Pyrotec : (CH₃)₂S (Pyrolyzing) SO₂

Pyrotube : SO₂ + I₂ + 2H₂O → 2HI + H₂SO₄

Possible coexisting substances and their interferences

| Substance | Concentration | Interference | Changes colour by itself to |
|-------------------|---------------|--------------|-----------------------------|
| Hydrogen sulphide | ≥ 70 ppm | + | } White |
| Methyl mercaptan | ≥ 40 ppm | + | |
| Sulphur dioxide | | + | |

Substance measurable with this Pyrotube

| Substance | n | Correction factor | Measuring range |
|---------------------|---|-------------------|-----------------|
| Dimethyl disulphide | 3 | 0.6 | 0.3 to 6 ppm |

Calibration gas generation

Permeation tube method