

Technical Data Sheet: TDS 9:V3

DIF700RTU-RA – FORMALDEHYDE TUBES

This tube is designed for actively monitoring Formaldehyde in ambient air.



Description: Glass tube containing a granular absorbent and glass wool filter. Active pump sampling using preset air pumps.

Please note that the tube is shipped with red plastic caps on both ends that need to be removed so the sealed ends can be broken off each end (whilst wearing protective gloves) for sampling. Place the end of the tube with the yellow absorbent into the black pump tubing. Replace red plastic caps after sampling.

The tubes are analysed by HPLC with UV detection (UKAS accredited methods).

Suitable for carrying out external and indoor ambient air sampling and workplace monitoring for Formaldehyde.

Dimensions: 110 mm (length) x 6 mm (internal diameter).

Maximum Pumped Volume: 15L, at a flow rate of 0.05 to 0.5 l/min.
(Gradko recommends flow rate of 200mL/min).

Storage: Store in freezer.

Shelf life: Use by date on pack.

Limit of Detection: Less than 0.02 mgm⁻³ for a 15L pumped volume.
Specific values available upon request.

Analytical Expanded Measurement Uncertainty: Available upon request.

Predicted Working Range: 0.02 – 15.0 mgm⁻³ (approx. 0.02 – 12 ppm).

Relevant Standards/Methods: NIOSH 2018: MDHS 78: TO-11A.

Special Factors: Ozone can consume the absorbent and degrade the derivative of Formaldehyde. Ketones and other aldehydes can react with the absorbent.