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GASTEC POLYTEC-III (QUALITATIVE ANALYSIS) DETECTOR TUBE

The Gastec Detector Tube No. 26 provides the qualitative analysis of the organic or inorganic gases or vapours in air utilizing the Gastec Multi-Stroke Gas Sampling Pump.

Prior to entry to the confined area such as manholes and conduits, use the polytec-III tube and it provides to determine the substances in that area. To determine the concentration of the gases or vapors, assess the indication of the test result by Polytec-III and use the proper Gastec detector tubes and obtain the results.

If the Polytec-III tubes are used for manholes, check the Gastec pump leak tight with unused tube connecting the extension hose.

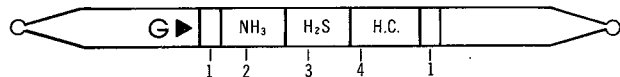
PERFORMANCE:

Number of Pump Strokes: 1 stroke only (100 ml)

Sampling Time: 20 seconds per pump stroke

Color Change: Refer to Table A

Shelf Life: 2 years



1. Eng Plug Packing
2. Ammonia detecting layer
3. Hydrogen Sulfide detecting layer
4. Hydrocarbons detecting layer

MEASUREMENT PROCEDURE:

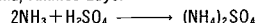
1. Break tips off a fresh detector tube by bending each tube end in the tube tip breaker of the pump.
2. Insert the tube securely into the rubber inlet of the pump with the arrow on the tube pointing toward the pump.
3. Make certain the pump handle is all the way in. Align the guide marks on the shaft and pump body.
4. Pull the handle all the way out until it locks on 1 pump stroke (100 ml). Wait 20 seconds for completion of sampling.
5. After the pump stroke the length of stain indicates as shown in the table below:

Table A Substances and Results

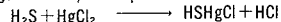
Reagent Layer	Color Change	Detecting Limit
Ammonia	Pink to Yellow	0.5 ppm
Hydrogen Sulfide	Yellow to Red	0.5 ppm
Hydrocarbons (Gasoline)	Yellowish Brown to Greenish Brown	2 ppm

DETECTION PRINCIPLE:

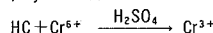
- (1) Ammonia, Amines Layer



- (2) Hydrogen Sulfide, Mercaptans



- (3) Gasoline, Hydrocarbons



SEE OPERATING INSTRUCTION INCLUDED IN THE GASTEC MULTI STROKE GAS SAMPLING PUMP.

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