Uniphos Detector Tube Data Sheet Direct Reading Length of Stain Type

t-Butyl Mercaptan C4H9SH

SBM-1

Flammable Range: NA

Specification:

	Extended	Standard	Extended
Measurement Range	Do not extend	0.5-30 mg/m3	Do not extend
No. of Pump Strokes		2 (200 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1 minute per pu	mp stroke (100 mL)	
Color Change	Yellow \rightarrow Pink		
Shelf Life	1 year		
Storage condition	Below 10°C (50	°F)	
Calibration condition	Calibrated at 20	°C (68°F) and 50%	RH.
Departies Dringing	C₄H ₉ SH + HgCl	$_2 \rightarrow CH_3S.HgCl + H$	CI
Reaction Principle	HCI + Base \rightarrow Chloride		
Relative standard deviation	± 10 %		

* Multiply the observed reading by the correction factor (VCF) to obtain the true concentration.

Possible Interferences:

Compound	Concentration (mg/m3)	Interference	Colour change / Comments
Other Mercaptan		+	Yellow to Pink
PH ₃		+	Yellow to Pink
H₂S		+	Yellow to Pink
NH ₃	15	-	No effect
SO ₂	30	-	No effect
CO ₂	100	-	No effect

Other measurable compounds:

Compound	Correction Factor	No. of pump strokes	Measuring range
Ethyl Mercaptan	1	2	0.5 - 30 mg/m3
Methyl Mercaptan	1	2	0.5 - 30 mg/m3

Correction for Environmental Parameters:

Temperature	Not necessary between 0 - 40°C (32 - 104°F).	
Relative humidity	Not necessary between 10 - 90 %.	



Manufactured By: Uniphos Envirotronic Pvt. Ltd. Nahuli (PO), Umbergaon (Tal.) Valsad (Dist), Gujarat, India – 396108

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