

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Water Vapor

H₂O

SWA-7M

TLV (TWA): -----

TLV (STEL): ----

Non Flammable

Specification:

Measurement Range	Extended	Standard	Extended
	Do not extend	1 – 18 mg/l	Do not extend
No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1 minute per pump stroke (100 mL)		
Color Change	Yellow → Blue		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F).		
Reaction Principle	$H_2O + Mg(ClO_4)_2 \rightarrow Mg(ClO_4)_2 \cdot H_2O$		
Relative standard deviation	± 10 – 15 %		

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

Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Methane	99.9%	No	No effect
Hydrogen sulphide	2000	No	No effect
Methanol	50	No	No effect
Hexane	3000	No	No effect

Correction for Environmental Parameters:

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
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Manufactured By: Uniphos Envirotronic Pvt. Ltd.
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Rev.0920