

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Naphthalene



SNP-3

TLV (TWA): 2 ppm

TLV (Ceiling): 4 ppm

Flammable Range: NA %

Specification:

Measurement Range	Extended	Standard	Extended
	Do Not Extend	10 – 100 ppm	Do Not Extend
No. of Pump Strokes		1 (100 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	2.5 minute per pump stroke (100 mL)		
Color Change	Yellow → Grey		
Shelf Life	1 year		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 10 mg/l		
Reaction Principle	$\text{C}_{10}\text{H}_8 + \text{Cr}^{6+} \rightarrow \text{Reaction product}$		
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
Alcohols (Ethyl alcohol)	200	+	Pale Blue
Esters (Ethyl acetate)	200	+	Pale Grey
Ketones (Acetones)	200	+	Pale Grey
Aromatic Hydrocarbons (Toluene)	200	+	Pale Grey

Other Measurable Compounds:

Other compounds	Strokes (n)	Conc. Scale on Naphthalene Detector tube (ppm)					
	1	10	20	40	60	80	100
Isobutyl acetate	1	10	30	115	310	510	700
Methyl cellosolve	3	5	65	205	390	475	620
Cellosolve	3	5	65	240	435	625	825
Methyl cellosolve acetate	3	5	50	140	230	320	410
Cellosolve acetate	3	5	55	140	235	325	415

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. (100% EOU)
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