

Uniphos Detector Tube Data Sheet

Direct Reading Length of Stain Type

Bromine

TWA (TLV): 0.1 ppm

Br₂

STEL (TLV): 0.2 ppm

SBR-2M

Flammable Range: NA

Specification:

	Extended	Standard	Extended
Measurement Range	Do not extend	1 - 20 ppm	Do not extend
No. of Pump Strokes		2 (200 mL)	
Volume Correction Factor (VCF)*		1.0	
Sampling Time	1.0 minutes per pump stroke (100 mL)		
Color Change	White → Yellow		
Shelf Life	2 years		
Storage condition	Below 10°C (50°F)		
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.		
Reaction Principle	Br ₂ + o-Tolidine → Yellow reaction product		
Relative standard deviation	± 10 %		

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

Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Chlorine dioxide		+	White to Yellow
Nitrogen dioxide		+	White to Yellow
Chlorine		+	White to Yellow

Correction for Environmental Parameters:

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



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