

Uniphos Dosimeter Tube Data Sheet

Direct Reading Length of Stain Type

Sulphur Dioxide

SO₂

LSD-4M

TLV (STEL): 0.25 ppm

Flammable Range: NA

Specification:

Measurement Range	50 – 600 ppm.Hrs
Sampling Method	Diffusion
Color Change	Blue → White
Sampling time	1 – 5 hrs
Storage condition	Below 10°C (50°F)
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.
Reaction Principle	SO ₂ + I ₂ → White reaction product
Relative standard deviation	± 10 – 15 %

POSSIBLE INTERFERENCES:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Nitrogen Dioxide		No	No Effect
Hydrogen Sulphide	≥1/10	+	Blue to White

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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