

Uniphos Dosimeter Tube Data Sheet

Direct Reading Length of Stain Type

Ethanol

C₂H₅OH

LET-7M

TLV (TWA): ---

TLV (STEL): 1000 ppm

Flammable Range: 3.3-19 %

Specification:

Measurement Range	100 – 25000 ppm.
Scale Range	1000 – 25000 ppm x Hrs
Sampling Method	Diffusion
Color Change	Yellow → Pale green
Sampling time	1.0 – 10 hrs
Storage condition	Below 10°C (50°F)
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.
Reaction Principle	C ₂ H ₅ OH + Cr ⁶⁺ + H ₂ SO ₄ → Cr ³⁺
Relative standard deviation	± 10 – 15 %

Possible Interferences:

Compound	Concentration (ppm)	Interference	Colour change / Comments
Alcohols		+	Pale green
Esters		+	Pale green
Ketones		+	Pale green
Aromatic Hydrocarbons		+	Pale green

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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