

Uniphos Dosimeter Tube Data Sheet

Direct Reading Length of Stain Type

Acetone

TLV (TWA): 500 ppm

CH₃COCH₃

TLV (STEL): 750 ppm

LAC-5M

Flammable Range :2.1 – 13%

Specification:

Measurement Range	5 – 3000 ppm x Hrs
Scale Range	50 – 1500 ppm x Hrs
Sampling Method	Diffusion
Color Change	Yellow → Pinkish Red
Sampling time	0.5 – 10 hrs
Storage condition	Below 10°C (50°F)
Calibration condition	Calibrated at 20°C (68°F) and 50% RH.
Reaction Principle	CH ₃ COCH ₃ + (NH ₂ OH) ₃ .H ₃ PO ₄ → H ₃ PO ₄ H ₃ PO ₄ + Base → Phosphate
Relative standard deviation	± 10 – 15 %

Other Measurable Substances:

Compound	Correction Factor	Measuring Range
Methyl ethyl Ketone (MEK)	1.3	6.5 – 1950 ppm x Hrs
Methyl isobutyl Ketone (MIBK)	2.3	11.5 – 3455 ppm x Hrs
Acetaldehyde	0.8	4 – 1200 ppm x Hrs
Propionaldehyde	1.3	6.5 – 1950 ppm x Hrs

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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Rev.0920