

Uniphos Dissolved Substance Tube Data Sheet

Direct Reading Length of Stain Type

Chromium(VI) Ion

Cr⁺⁶

DCR-2

Specification:

Measurement Range	1 – 50 mg/l
Sampling Time	2.5 minutes
Color Change	White → Yellow
Sample water pH Range	4- 11
Storage condition	Below 10°C (50°F)
Calibration method	K ₂ Cr ₂ O ₇ standard solution at 20°C
Active Reagent(s)	Lead acetate

Possible Interferences:

Compound	Formula	Conc. (ppm)	Interference	Colour change
Chloride ion	Cl ⁻	≥ 20 mg/l	No error	No Discoloration
Acetic acid ion	CH ₃ COO ⁻	≥ 20 mg/l	No error	No Discoloration
Nitric acid ion	NO ₃ ⁻	≥ 30 mg/l	No error	No Discoloration
Sulfide ion	S ²⁻	≥ 0.5 mg/l	No error	Brown at 0.5mg/l
Sulfuric acid ion	SO ₄ ²⁻	≥ 10 mg/l	No error	No Discoloration
Phosphoric acid ion	PO ₄ ³⁻	≥ 05 mg/l	Positive	No Discoloration

Correction for Environmental Parameters:

Temperature	Not necessary between 0 - 40°C (32 - 104°F).
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Manufactured By: Uniphos Envirotronic Pvt. Ltd. (100% EOU)
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