

Klozur[®] Field Test Kits

Technical Data Sheet

Introduction

Klozur[®] Field Test kits provide an accurate quantitative measurement of remaining persulfate in the groundwater at a remediation site. There are two test kits available, depending on which activation method is used.

	Klozur Persulfate Activator Chemistries	Activator Examples	Primary Titration Chemistry
Kit "K"	High pH	Klozur [®] Caustic, sodium hydroxide, lime, Klozur [®] CR, Percarbonate	Permanganate back-titration of ferrous ammonium sulfate
	Iron	Iron Sulfate, FeSO ₄	
	Heat	Steam, hot water	
Kit "C"	Chelated iron	Dissolvine [®] E-FE-13, iron EDTA, FeEDTA, iron citrate	Ceric sulfate titration to a Ferroin end-point
	Klozur [®] One	Built in	
	Hydrogen peroxide*	Hydrogen peroxide*	



* Please contact PeroxyChem for more information

Kit Contents

Each kit contains materials for measuring ten (10) aqueous measurements of persulfate concentration.

Item	Kit "K"	Kit "C"
15 mL plastic vials	10	10
filters	11	11
Plastic syringes	11	11
Plastic pipettes	35	35
Centrifuge tubes containing Ferrous ammonium sulfate	10	10
Sulfuric acid (6N) 2 ml vials	10	10
Potassium Permanganate (0.1 N) 20 mL bottle	5	Not applicable
Ceric Sulfate solution (0.1N) 20 mL bottle	Not applicable	5
Ferroin Indicator 2 mL vial	Not applicable	1

Specifications

Measurement Range: 1 g / L to 100 g / L
 Accuracy: Range 1 – 50 g / L +/- 1 g / L
 Range 50 – 100 g / L +/- 2 g / L
 Shelf Life: one year
 Storage: cool, dry conditions
 Operating Ranges: Water temperature: 5 – 50 °C
 pH ≤ 12
 Fe(II): 0-500 mg/L

Prior to working with Klozur[®] Field Test Kit consult the Safety Data Sheet and to understand proper safety, handling, storage and disposal procedures.

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