

SILICA - SULFIDE

Sulfide above 20 ppm
will bleach the
methylene blue
method.



ORDER CODE MODEL	TEST SYSTEM (DETAILED ON PAGES 6-7)	RANGE/SENSITIVITY	# OF TESTS (# REAGENTS)	SHIPPING CODE (WEIGHT/LBS)
SILICA The heteropoly blue method tests for "molybdate-reactive" silica. The 4463 uses a 1:10 dilution to expand the range of the kit to 100 ppm.				
4463 PSI	Octet Comparator	0.5, 1.0, 2.0, 3.0, 4.0, 6.0, 8.0, 10.0 ppm or 5, 10, 20, 30, 40, 60, 80, 100 ppm SiO ₂	50 (4)	R1 (1)
3321 SL-PSI	Octa-Slide	0.5, 1.0, 2.0, 3.0, 4.0, 6.0, 8.0, 10.0 ppm SiO ₂	50 (4)	R1 (1)
SODIUM NITRITE (See Nitrite, Sodium)				
SULFATE Barium forms a precipitate with sulfate. The turbidity formed is measured using comparator standards or a meter.				
7778 PSAT	Tablet Octet Comparator	20, 40, 60, 80, 100, 120, 160, 200 ppm SO ₄ ²⁻	50 (1)	R1 (1)
3683-01 DC1200-SU	Colorimeter	0-100 ppm/1.0 ppm SO ₄ ²⁻	100 (1)	R1 (6)
The 7611 sulfate interference suppressor kit uses barium precipitation and filtration to eliminate sulfate from the phosphonate test.				
SULFIDE Both kits use the Pomeroy methylene blue method for analysis. The colorimetric method uses color standards to read total sulfide. Total, dissolved and hydrogen sulfide can be separated in the titration test. The total sulfide is determined using a color dye which is added to an unreacted sample until it matches a reacted sample. The same procedure is used for dissolved sulfide, after insoluble matter is removed by aluminum floc. Hydrogen sulfide is determined by measuring pH and multiplying the dissolved sulfide concentration by a pH correction factor.				
3322† SL-P70	Total Sulfide Octa-Slide	0.2, 0.5, 1.0, 2.0, 5.0, 10.0, 15.0, 20.0 ppm S ²⁻	50 (3)	R1 (1)
4456	Total Sulfide Octet Comparator	0.2, 0.5, 1.0, 2.0, 5.0, 10.0, 15.0, 20.0 ppm S ²⁻	50 (3)	R1 (1)
4630†* CC-PS	Total, Dissolved & Hydrogen Sulfide Dropper Pipet	1 drop = 1.0 or 0.1 ppm S ²⁻ or H ₂ S	70 at 10 ppm (8)	HF (10)

Ship Codes: (NH) Non-Hazardous Material - No Fees • (R1) Small Qty. Hazardous Material - No Fees • (R2 & R3) Hazardous Material - Air Fees Only • (HF) Hazardous Material - Air & Ground Fees
*(NPDR) EPA Accepted • †(NPDES) EPA Accepted • Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.