

# Potassium | Sulfate

Code 7625-01



Order Code	Test System (Detailed On Pages 6-7)	Range/Sensitivity	# of Tests [# Reagents]	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
<b>POTASSIUM</b> Sodium tetraphenylboron reacts with potassium to form a white precipitate. The turbidity of the solution is proportional to potassium concentration which is measured in a calibrated tube.					
<b>3138-01</b>	Turbidity Reading Tube	6, 8, 10, 20, 30, 40, 50 ppm K <sup>+</sup>	100 [2]	R-3138-01	R1 [1]
<b>QAC</b> Two methods are available. A masked bromphenol blue indicator is added to the sample and turns green. Sodium tetraphenyl-boron is added to complex the QAC and the color changes to red. This method is best suited to higher QAC concentrations. A poly-electrolytic titration, like the one used for polyquat, is used for low to high concentrations.					
<b>3043-DR-01</b>	BPB Direct Reading Titrator	0-500 ppm/10 ppm Alkyl dimethyl benzyl ammonium chloride	50 at 500 ppm [2]	R-3043- DR-01	NH [1]
<b>3042-01</b>	BPB Direct Reading Titrator	0-1,000 ppm/20 ppm 0-5,000 ppm/100 ppm with dilution	50 at 1,000 ppm [2]	R-3042-01	NH [1]
<b>7057-01</b>	Polyelectrolytic Dropper Bottle	1 drop = 2, 5, or 10 ppm Alkyl dimethyl benzyl ammonium chloride	100+ [5]	R-7057-01	R1 [2]
<b>2951</b>	Test Papers	50, 100, 200, 400 ppm	100	—	NH [1]
<b>2951HR</b>	Test Strips	200, 400, 600, 1000, 1500 ppm	50	—	NH [1]
<b>SALINITY</b> Salinity is based on the concentration of chloride. An argentometric titration with silver nitrate is used to determine the chloride concentration.					
<b>7459-02</b>	Direct Reading Titrator	0-40 ppt/0.4 ppt Salinity	50 at 20 ppt [2]	R-7459-02	R1 [1]
<b>SILICA</b> 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.					
<b>4463-01</b>	Octa-Slide 2 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 <sub>2</sub>	50 [4]	R-4463-01	R1 [1]
<b>SODIUM NITRITE</b> [See Nitrite, Sodium]					
<b>SULFATE</b> Barium forms a precipitate with sulfate. The turbidity formed is measured using comparator standards or a meter.					
<b>7778-01</b>	Tablet Octa-Slide 2 Comparator	20, 40, 60, 80, 100, 120, 160, 200 ppm SO <sub>4</sub> <sup>2-</sup>	50 [1]	R-7778-01	R1 [1]
<b>3247 DC1500-SU</b>	Colorimeter	0-100 ppm/1.0 ppm SO <sub>4</sub> <sup>2-</sup>	100 [1]	R-3247	R1 [6]

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