

# Nitrate Nitrogen | Nitrite



Molybdenum x 1.6 = Molybdate  
 Sodium Molybdate Dihydrate x 0.4 = Molybdenum  
 Molybdate x 0.63 = Molybdenum

Code 6628-01

Order Code	Test System (Detailed On Pages 6-7)	Range/Sensitivity	# of Tests (# Reagents)	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
<b>NITRATE NITROGEN</b> The nitrate is reduced to nitrite by cadmium or zinc and this undergoes diazotization/coupling to form a pinkish color. All kits below use cadmium except 3354-01, which uses zinc and which also contains a reagent that eliminates nitrite interference. Kit 3519-01 tests both nitrate and nitrite. The kit 3119-01 uses one comparator that contains both nitrate and phosphate standards. The phosphate method in kit #3119 is an ascorbic acid reduction. See page 17 for Total Nitrogen Digestion Tube Test.					
<b>3119-01</b>	Cadmium Reduction Nitrate/Phosphate LRC Comparator	0.2, 0.4, 0.6, 1.0 ppm NO <sub>3</sub> <sup>-</sup> -N; 0.2, 0.4, 0.6, 1.0 ppm PO <sub>4</sub> <sup>3-</sup>	Nitrate: 40 [2] Phosphate: 50 [2]	R-3119-01	R1 [2]
<b>3615-01</b>	Cadmium Reduction, Nitrate/Nitrite LRC Comparator	0, 0.2, 0.4, 0.6, 0.8, 1.0 ppm NO <sub>3</sub> <sup>-</sup> -N	50 [2]	R-3615-01	R1 [2]
<b>3519-01</b>	Cadmium Reduction Octa-Slide 2 Comparator	0.25, 0.5, 1.0, 2.0, 4.0, 6.0, 8.0, 10.0 ppm NO <sub>3</sub> <sup>-</sup> -N	40 [3]	R-3519-01	R1 [1]
<b>3354-01</b>	Zinc Reduction Octa-Slide 2 Comparator	0.0, 1.0, 2.0, 4.0, 6.0, 8.0, 10.0, 15.0 ppm NO <sub>3</sub> <sup>-</sup> -N	50 [2]	R-3354-01	NH [2]
<b>NITRITE NITROGEN</b> As with nitrate, above, the diazotization/coupling reaction is used to form a pink color with nitrite.					
<b>3352-01</b>	Octa-Slide 2 Comparator	0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.80 ppm NO <sub>2</sub> <sup>-</sup> -N	50 [3]	R-3352-01	NH [2]
<b>NITRITE, SODIUM</b> Sodium nitrite is titrated using one of two methods. After acidifying the sample, permanganate will oxidize nitrite. When all of the nitrite is oxidized, the permanganate turns the sample pink. Cerio Ammonium Nitrate [CAN] also oxidizes the nitrite in the presence of ferroin indicator. The endpoint is orange to blue. The CAN method is preferred if glycol is present.					
<b>7101-DR-01</b>	Permanganate Direct Reading Titrator	0-1000 ppm/20 ppm NaNO <sub>2</sub>	50 at 1000 ppm [2]	R-7101-DR-01	R1 [1]
<b>7101-01</b>	Permanganate Dropper Pipet	1 drop = 50 or 100 ppm NaNO <sub>2</sub>	50 at 1000 or 2000 ppm [2]	R-7101-01	R1 [1]
<b>3036-DR-02</b>	CAN Direct Reading Titrator	0-1000 ppm/20 ppm NaNO <sub>2</sub>	50 at 1000 ppm [2]	R-3036-DR-02	R1 [1]
<b>7183-02</b>	CAN Dropper Bottle	1 drop = 50 ppm NaNO <sub>2</sub>	50 at 1000 ppm [2]	R-7183-02	R1 [1]

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  
 \* [NPDR] EPA Accepted · † [NPDES] EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.