

MANGANESE - NICKEL

Molybdenum x 1.6
= Molybdate

Sodium Molybdate
Dihydrate x 0.4
= Molybdenum

Molybdate x 0.63
= Molybdenum



ORDER CODE MODEL	TEST SYSTEM (DETAILED ON PAGES 6-7)	RANGE / SENSITIVITY	# OF TESTS (# REAGENTS)	SHIPPING CODE (WEIGHT/LBS)
MANGANESE The 1-(2-pyridylazo)-2-naphthol(PAN) method forms an orange complex with manganese. Metal interferences with the PAN method can be eliminated using the #7104 Cyanide Inhibitor Package, sold separately.				
3588-01 LMN	PAN Octet Comparator	0.05, 0.1, 0.2, 0.4, 0.6, 0.8, 1.0 ppm Mn	50 (4)	HF (2)
3682-01 DC1200-MN	PAN Colorimeter	0-0.7 ppm/0.01 ppm Mn	100 (3)	R2 (7+5)
METHYLENE BIS THIOCYANATE MBT is used as a microbiocide in water systems and wood treatment products. The method uses a titration of excess silver ions after their reaction with the thiocyanate.				
7148	Dropper Bottle	0-30 ppm/2 ppm MBT	50 at 25 ppm(5)	R1 (1)
MICROBIOLOGICAL TESTING See section pages 36-38.				
MOLYBDATE/MOLYBDENUM There are three colorimetric methods and one titration method available. The 6628 uses Xanthogonate to form a pink color with molybdate. Thioglycolate forms a yellow color for low to high determinations. The 3628 uses a new test strip technology that reads 0, 0.5, 1, 2 and 5 ppm. Results are available in about 1 minute. The 3632 titration employs citric acid with a red to yellow color change. The sample size may be changed to vary the equivalence.				
3628	Test Strip	0, 0.5, 1.0, 2.0, 5.0 ppm	50 (1)	R1 (1)
6628 PMO	Xanthate, Sodium Molybdate Octet Comparator	1, 2, 3, 4, 5, 6, 8, 10 ppm Sodium Molybdate	100 (2)	R1 (1)
3346 SL-MHR	Thioglycolate, Molybdate Octa-Slide	30, 60, 90, 120, 150, 180, 240, 300 ppm Molybdate	50 (2)	NH (1)
3160 MBD	Thioglycolate, Molybdenum Octet Comparator with Axial Reader	2, 5, 8, 10, 12, 15, 18, 20 ppm Molybdenum	50 (3)	R3 (2)
3632	Molybdenum Dropper Pipet	1 drop = 2 or 20 ppm Molybdenum	50 (3)	HF (2+5)
3676-01 DC1200-MO	Thioglycolate Colorimeter	0-30 ppm/0.1 ppm Molybdenum	50 (3)	R3 (7)
NICKEL Under acidic conditions, nickel reacts with dimethylglyoxime to form an orange-red complex.				
7802 P-54	Octet Comparator	0.5, 1.0, 2.0, 3.0, 4.0, 5.0, 7.5, 10.0 ppm Ni	20 (7)	HF (9)

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
*(NPDWR) EPA Accepted • †(NPDES) EPA Accepted • Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.