

AMMONIA NITROGEN - BROMINE

Sample size is inversely proportional to equivalence.
1 drop = 2 ppm in 25 ml,
5 ppm in 10 ml and 10 ppm in 5 ml.



Arsenic Kit Code 4053

ORDER CODE MODEL	TEST SYSTEM (DETAILED ON PAGES 4-7)	RANGE/SENSITIVITY	# OF TESTS (# REAGENTS)	SHIPPING CODE (WEIGHT/LBS)
AMMONIA NITROGEN Two colorimetric methods are available. Nessler's reagent reacts with ammonia to form a yellow to brown color; salicylate reacts to form a blue color, which in combination with the yellow reagent color produces colors from yellow to blue. The salicylate method is preferred for salt water analysis and does not contain mercury salts as does the Nessler method.				
3304	Salicylate Octa-Slide	0.0, 0.05, 0.1, 0.25, 0.5, 1.0, 2.0 ppm NH ₃ -N	50 (3)	R2 (1)
5864	Salicylate ColoRuler	0.1, 0.25, 0.50, 1.0, 2.0, 4.0 ppm NH ₃ -N	50 (2)	R1 (1)
3315 SL-PAN	Nessler Octa-Slide	1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0 ppm NH ₃ -N	50 (2)	R1 (1)
3680-01 DC1200-NH	Nessler Colorimeter	0-5 ppm/0.05 ppm NH ₃ -N	100 (2)	R1 (1)
ARSENIC The procedure requires about 15 minutes and employs a test strip. Inorganic As ⁺³ and As ⁺⁵ are converted to arsine gas. This reacts with the test strip in a closed container and produces yellow to brown colors on the strip. The strip color is compared to a color chart to determine concentration in ppb.				
4053	Test Strip	4, 6, 8, 10, 12, 14, 16, 18, 20, 30, 40, 50, 60, 70, 80, 100, 140, 160 ppb	50	R1 (8)
BACTERIA See <i>Microbiological Testing</i> section pages 36-38.				
BIOCHEMICAL OXYGEN DEMAND (BOD) This is a determination of the amount of organic material in wastewater by measuring and comparing the dissolved oxygen content before and after incubating the sample for 5 days at 20°C. All reagents, including seed capsules and glassware needed to perform this test, are included in the kit. Incubator and DO meter are not included. See pages 84-85 for BOD accessories.				
7420 BOD	Buret Titration	1 mL = 0.2 mg O ₂ 0-1000 mg/L	100 (10)	HF (12)
BLEACH (See <i>Chlorine Bleach</i>)				
BROMINE Bromine may be tested using color development with DPD, or by a ferrous ammonium sulfate titration in the presence of DPD indicator. The 6824 kit uses glycine to enable the user to separate bromine and chlorine. The 3624 titration kit uses one sample size to test chlorine and one to test bromine. It includes a 1:10 dilution for determination of concentrations of 100 ppm or higher.				
6955 LP-5	DPD Tablet Octet Comparator	0.2, 0.4, 0.6, 0.8, 1.0, 1.5, 2.0, 3.0 ppm Br	50 (1)	NH (1)

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.