

ACIDITY - ALUMINUM



In cleaning applications, P alkalinity is sometimes referred to as active alkalinity. The difference between the P reading and the T reading is "inactive" alkalinity.

INDIVIDUAL TEST KITS

ORDER CODE MODEL	TEST SYSTEM <small>DETAILED ON PAGES 4-7</small>	RANGE/SENSITIVITY	# OF TESTS (# REAGENTS)	SHIPPING CODE (WEIGHT/LBS)
ACIDITY A standard base titrates acidity to the phenolphthalein endpoint. The 7182 uses different sample sizes and a 1:10 dilution to test hydrochloric, sulfuric and phosphoric acids with either a 1 drop = 0.1% or 1 drop = 1.0 % equivalence.				
7182	HCl, H ₂ SO ₄ , H ₃ PO ₄ Dropper Bottle	1 drop = 0.1 or 1.0% (as the particular acid)	50 at 10% (2)	R1 (1)
ALKALINITY Kits use titrations with standard acid to the phenolphthalein(P) and/or total(T) alkalinity endpoint. The mixed indicator, BCG-MR, is used for total alkalinity determinations. Where hydroxyl(OH) alkalinity is determined directly, as with kit #7515, the sample is pre-treated with barium to precipitate carbonate alkalinity. All results are expressed as CaCO ₃ . To convert results to Na ₂ O, multiply the answer by 0.62.				
4491-DR WAT-DR	Total Alkalinity Direct Reading Titrator	0-200 ppm/4ppm as CaCO ₃	50 at 200 ppm (2)	NH (1)
4533-DR WAT-MP-DR	P & T Alkalinity Direct Reading Titrator	0-200 ppm/4 ppm as CaCO ₃	50 at 200 ppm (3)	NH (1)
4533 WAT-MP-DC	P & T Alkalinity Dropper Pipet	1 drop = 10 ppm as CaCO ₃	50 at 200 ppm (3)	NH (1)
7240-01	P & T Alkalinity Dropper Bottle	1 drop = 10, 25, or 50 ppm as CaCO ₃	100 at 500 ppm (3)	R1 (2)
3467*† DR-A	P & T Alkalinity Direct Reading Titrator	0-200 ppm/4 ppm as CaCO ₃	50 at 200 ppm (3)	R1 (1)
7515 WAT-MPH-DC	P, T, & OH Alkalinity Dropper Pipet	1 drop = 10 ppm as CaCO ₃	50 at 200 ppm (4)	R1 (1)
ALUMINUM A pink to red color will form when aluminum reacts with Eriochrome Cyanine R, at pH 6.				
3569 AL-2	Octet Comparator	0, 0.1, 0.15, 0.2, 0.25, 0.3, 0.4, 0.5 ppm Al ³⁺	50 (2)	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
*(NPDWR) EPA Accepted • †(NPDES) EPA Accepted • Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.