

HARDNESS - HYDRAZINE

Hardness originally referred to the ability of water to lather with soap. The more calcium and magnesium ions present, the "harder" it was to produce a lather.



ORDER CODE MODEL	TEST SYSTEM (DETAILED ON PAGES 6-7)	RANGE/SENSITIVITY	# OF TESTS (# REAGENTS)	SHIPPING CODE (WEIGHT/LBS)
HARDNESS EDTA titration is used for all hardness determinations, with a red to blue endpoint. Both total and calcium hardness buffers include inhibitors to eliminate metal interferences. All results are as CaCO ₃ ; some kits also express results as gpg. The 3609, which is recommended for salt water analysis, includes a conversion factor for Ca ⁺⁺ . The -LI suffix indicates an all liquid kit; -LT indicates a liquid buffer and tablet indicator.				
3609 CA-DR	Fresh & Salt Water Calcium Hardness Direct Reading Titrator	0-200 ppm/4 ppm CaCO ₃ 0-2,500 ppm by dilution	50 (3)	R1 (1)
4482-DR-LI PHT-DR-LI	Total Hardness Direct Reading Titrator	0-200 ppm/4ppm CaCO ₃ Liquid indicator	50 at 200 ppm (3)	R1 (1)
4482-LI-01 PHT-DC-LI	Total Hardness Dropper Bottle	1 drop = 10 ppm or 1 gpg CaCO ₃ Liquid indicator	50 at 200 ppm or 20 gpg (3)	R1 (1)
4482-DR-LT PHT-DR-LT	Total Hardness Direct Reading Titrator	0-200 ppm/4 ppm CaCO ₃ Tablet indicator	50 at 200 ppm (3)	R1 (1)
4824-LT-01 PHT-CMD-LT	Calcium, Magnesium, Total Hardness Dropper Bottle	1 drop = 10 ppm or 1 gpg CaCO ₃ Tablet indicator	50 at 200 ppm or 20 gpg (5)	R1 (1)
4824-DR-LT PHT-CM-DR-LT	Calcium, Magnesium, & Total Hardness Direct Reading Titrator	0-200 ppm/4 ppm CaCO ₃ Tablet indicator	50 at 200 ppm (5)	R1 (1)
3037-DR HCM-DR	Low Range Total Hardness Direct Reading Titrator	0-10 ppm/0.2 ppm CaCO ₃	50 at 10 ppm (3)	R1 (1)
7171-01	Total Hardness Dropper Bottle	1 drop = 10, 25, or 50 ppm CaCO ₃	100 (3)	R1 (1)
7246-01	Total Hardness Dropper Bottle	1 drop = 2, 5, or 10 ppm CaCO ₃	100 (3)	R1 (1)
HYDRAZINE A yellow color is formed in the reaction of hydrazine and paradimethylaminobenzaldehyde.				
4850 PHZ-R	Bi-Color Reader with Octet Comparator	0.00, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50 ppm N ₂ H ₄	50 (2)	R2 (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.