



HNB lab reagent package

Product #:	2307300
ZAR Price:	Contact Hach
No availability shown	

For ultrapure saturated NaCl feed brine used in the Chlor-alkali industry. Not for water or a non-saturated brine solution. Calcium and other polyvalent cations can foul the ion-exchange membranes used in electrolytic manufacture of chlorine and alkali from brine. Each package contains 0.16 g of HNB powder and 100 mL of HNB dilution solvent. The HNB method has an indicator dye that is blue in strongly alkaline brine and changes to red when complexing free calcium and magnesium. EDTA added to a portion of the reacted sample, complexes the calcium and magnesium and sets a reference point. Because metal standards are not stable in saturated alkaline brine and brine matrices are variable, the method is calibrated using standard additions for each type of brine and for each new lot of reagents. This test also requires Item numbers 2307242 (Alkali buffer), 2241926 (EDTA solution), and 2305442 (calcium standard, 10 mg/L).

Required Accessories

- EDTA solution, 1M, 50mL SCDB (Item 2241926)
- Alkali buffer solution, 3.0N, 100 mL (Item 2307242)
- Calcium Standard Solution, 10 mg/L, 100 mL (Item 2305442)
- Gloves, Disposable, Powder Free, Nitrile, Large (Item 2550503)