

KNIGHT, INC.
A UNIT OF IDEX, CORP.
WAREWASH TEST KIT, MODEL: WWT-300
PART #: 7041320

<u>Test</u>	<u>Taylor #</u>	<u>Description</u>	<u>Knight Reorder #</u>
Detergent Alkalinity	R-0638	Phenolphthalein Indicator, DB	7041321
	R-0736	Sulfuric Acid .6N, DB	7041322
Chlorine	6034	Test Paper, chlorine	7041323
Hardness-total	R-0683	Hardness Reagent, DB	7041324
	R-0854	Total Hardness Reagent, DB	7041327
Misc.	5865	Instruction	7041325
	9198	Sample Tube, 25 mL, plastic w/cap	7041328

TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE 800-854-3764.

PROCEDURE:

CAREFULLY READ AND FOLLOW PRECAUTIONS ON REAGENT LABELS.
KEEP REAGENTS AWAY FROM CHILDREN.

Alkalinity-Detergent

1. Rinse and fill 25 mL sample tube (#9198) to 14.6 mL mark with water to be tested.
2. Add 3 drops R-0638 Phenolphthalein Indicator. Swirl to mix. Sample should turn pink.
3. Add R-0736 Sulfuric Acid .6N dropwise, swirling and counting after each drop, until color changes from pink to colorless. Always hold bottle in vertical position.
4. Refer to Alkalinity Chart (at right) to determine ppm detergent alkalinity as calcium carbonate (CaCO₃).

Chlorine

1. Tear a 2 inch strip of chlorine paper off the roll.
2. Immerse in water to be tested. Immediately match color with a color standard. Record as ppm chlorine.

Instr. #5865

Alkalinity Chart

# of drops	ppm alkalinity	# of drops	ppm alkalinity
1	85	11	935
2	170	12	1020
3	255	13	1105
4	340	14	1190
5	425	15	1275
6	510	16	1360
7	595	17	1445
8	680	18	1530
9	765	19	1615
10	850	20	1700

Hardness-Total

1. Rinse and fill 25 mL sample tube (#9198) to 14.6 mL mark with water to be tested.
2. Add 5 drops R-0854 Total Hardness Reagent. Swirl to mix. Sample will turn wine red if total hardness is present.
3. Add R-0683 Hardness Reagent dropwise, swirling and counting after each drop, until color changes from wine red to blue. Always hold bottle in vertical position.
4. Record drops of R-0683 Hardness Reagent as grains per gallon (gpg) total hardness as calcium carbonate (CaCO₃).