SAFE FOODS™
CHEMICAL INNOVATIONS

Revision Date:
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CC-117 TESTING PROCEDURE
TEST KIT: PKTK3000-Z, ITEM #50212

1. Rinse vial 3 times with solution to be tested.
2. Fill vial to the 10 mL mark with sample. Use the included 12 cc syringe to acquire the sample.
3. Add 3 drops of Phenolphthalein Indicator (PH1605) and swirl to mix. The sample should turn red.
4. Add Hydrochloric Acid 7.7N (HA6207) dropwise while swirling until the sample returns to its original color. Record the number of drops.
5. Multiply the number of drops by the factor below to obtain the % caustic.

NOTE: 1 drop = 0.1 % Caustic as NaOH [10 mL sample]

1 drop = 1.0 % Caustic as NaOH [1 mL sample (1 mL of sample and 9 mL of water)]

1 drop = 0.2 % Caustic as NaOH [5 mL sample (5 mL of sample and 5 mL of water)]

Recommended usage rate: 325-650 mL per 45 kg of laundry (dry weight) depending on fabric to be cleaned, water quality, and degree and type of soil.

10 mL sample, 1 drop = 0.1 % Caustic as NaOH	
Drops of Titrant	% Caustic as NaOH
1	0.1
2	0.2
3	0.3
4	0.4
5	0.5
7	0.7
9	1.9
11	1.1
13	1.3
15	1.5
17	1.7
19	1.9
20	2.0

5 mL sample, 1 drop = 0.2 % Caustic as NaOH	
Drops of Titrant	% Caustic as NaOH
1	0.2
2	0.4
3	0.6
4	0.8
5	1.0
7	1.2
9	1.8
11	2.2
13	2.6
15	3.0
17	3.4
19	3.8
20	4.0

1mL sample, 1 drop = 1 % Caustic as NaOH	
Drops of Titrant	% Caustic as NaOH
1	1
2	2
3	3
4	4
5	5
7	7
9	9
11	11
13	13
15	15
17	17
19	19
20	20

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