

## PROCEDURE FOR THE CONTROL OF THE STRENGTH OF BLACKFAST 513 SOLUTION

- PROCEDURE:
- 1 Take a 5ml sample of solution from the Blackfast 513 tank. Transfer sample into a conical flask.
  - 2 Add a few drops of Phenolphthalein indicator to the conical flask swirling gently to mix.
  - 3 Fill a burette with 1M Sodium Hydroxide (NaOH).
  - 4 Add the Sodium Hydroxide solution slowly into the conical flask until the solution turns pink.
  - 5 An addition of 17.5ml indicates the working solution is satisfactory.
  - 6 The following table indicates the necessary addition to the tank solution.

SODIUM HYDROXIDE ADDED TO ACHIEVE PINK COLOUR (ml)	BLACKFAST 513 TO BE ADDED TO TANK (LITRES)			
	20.00	75.00	100.00	200.00
17.50	0.00	0.00	0.00	0.00
16.50	0.60	2.25	3.00	6.00
15.50	1.20	4.50	6.00	12.00
14.50	1.80	6.75	9.00	18.00
13.50	2.40	9.00	12.00	24.00
12.50	3.00	11.25	15.00	30.00
11.50	3.60	13.50	18.00	36.00
10.50	4.20	15.75	21.00	42.00
9.50	4.80	18.00	24.00	48.00
8.50	5.40	20.25	27.00	54.00
7.50	6.00	22.50	30.00	60.00
6.50	6.60	24.75	33.00	66.00

- 7 Chemicals required Sodium Hydroxide (NaOH) 1M  
Phenolphthalein indicator.