

## PROCEDURE FOR THE CONTROL OF THE STRENGTH OF BLACKFAST 510 SOLUTION

- PROCEDURE:
- 1 Take a 5ml sample of solution from the Blackfast 510 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 30ml indicates the working solution is at 50% concentration.
  - 6 The following table indicates the necessary addition to the tank solution.

SODIUM HYDROXIDE ADDED TO ACHIEVE PINK COLOUR (ml)	BLACKFAST 510 TO BE ADDED TO TANK (LITRES)
	290 tank capacity
30.00	0.00
29.00	5.80
28.00	11.60
27.00	17.40
26.00	23.20
25.00	29.00
24.00	34.80
23.00	40.60
22.00	46.40
21.00	52.20
20.00	58.00
19.00	63.80

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