

## PROCEDURE FOR THE CONTROL OF THE STRENGTH OF BLACKFAST 716 SOLUTION

- PROCEDURE:
- 1 Take a 20ml sample of solution from the Blackfast 716 tank  
Transfer sample into a beaker.
  - 2 Add a few drops of Phenolphthalein indicator to the beaker  
The solution turns cherry red in colour.
  - 3 Fill a burette with 0.1M Hydrochloric Acid
  - 4 Add the Hydrochloric Acid to the 716 solution in the  
beaker until the solution turns colourless.
  - 5 An addition of 30ml indicates the working solution is  
satisfactory.
  - 6 The following table indicates the necessary addition to the  
tank solution.

HYDROCHLORIC ACID ADDED TO ACHIEVE COLOURLESS (ml)	BLACKFAST 716 TO BE ADDED TO TANK (LITRES)				
	20.00	50.00	75.00	100.00	200.00
30.00	0.00	0.00	0.00	0.00	0.00
29.00	0.30	0.75	1.13	1.50	3.00
28.00	0.60	1.50	2.25	3.00	6.00
27.00	0.90	2.25	3.38	4.50	9.00
26.00	1.20	2.25	4.50	6.00	12.00
25.00	1.50	3.75	5.63	7.50	15.00

- 7 Chemicals required Phenolphthalein indicator.  
0.1M Hydrochloric Acid.