PROCEDURE FOR THE CONTROL OF THE STRENGTH OF BLACKFAST 626A SOLUTION

(Assuming bath strength of 50gsm/litre)

PROCEDURE:

1 Take a 10ml sample of solution from the Blackfast 626A tank which should be at room temperature for the test procedure. with a sampling pipette. Transfer sample into a conical flask.

2 Add approximately 50ml of water to the conical flask followed by a few drops of Phenolphthalein indicator solution till the colour changes to a deep pink.

3 Fill a burette with normal solution of Hydrochloric acid.

4 Add the Hydrochloric to the conical flask swirling to mix until the solution changes from pink to colourless.

5 An addition of 7.7ml indicates the working solution is satisfactory.

6 The following table indicates the necessary addition to the tank solution.

Each ml of 1.0N HCL is equivalent to 6.5gm/litre of Blackfast 626A in solution.

HYDROCHLORIC ACID ADDED TO ACHIEVE COLOURLESS (ml)	BLACKFAST 626A TO BE ADDED TO TANK (KGS)			
	TANK CAPACITY			
	20.00 litres	75.00 litres	100.00 litres	200.00 litres
7.70	0.00	0.00	0.00	0.00
6.70	0.13	0.48	0.65	1.29
5.70	0.26	0.97	1.30	2.59
4.70	0.39	1.46	1.95	3.89
3.70	0.52	1.95	2.60	5.19
2.70	0.65	2.43	3.25	6.49

7 <u>Chemicals required</u> Phenolphthalein indicator
Normal Hydrochloric acid.

Before adding Blackfast 626A to a hot working solution, turn off the heat source. Blackfast 626A when added to water develops heat. Care should be taken when making additions to a hot working solution. Ensure mixing is complete before applying further heat to the solution.