

PROCEDURE FOR THE CONTROL OF THE STRENGTH OF BLACKFAST 505

PURPOSE: To maintain the correct solution strength of Blackfast 505

- PROCEDURE:
- 1 Transfer 5ml of Blackfast 505 working solution to a beaker.
 - 2 Add a few drops of Phenolphthalein indicator to the beaker.
 - 3 Fill a burette with 2N Sodium Hydroxide test solution.
 - 4 Add the Sodium Hydroxide to the Blackfast 505 solution in the beaker until the solution turns pink.
Please note that the solution must remain pink when agitated vigorously.
 - 5 An addition of 27.6ml indicates the working solution is satisfactory.
 - 6 For every 1ml shortfall it is necessary to top up the working bath with 1.45% of Blackfast 505

EXAMPLE:

For a 100 litre tank a shortfall of 3ml would require 3×1.45 litres = 4.35 litres of Blackfast 505

- 7 The following table indicates the necessary addition to the tank solution.

SODIUM HYDROXIDE ADDED TO ACHIEVE PINK COLOUR (ml)	BLACKFAST TO BE ADDED TO TANK (LITRES)			
	20.00	75.00	100.00	200.00
27.60	0.00	0.00	0.00	0.00
26.60	0.29	1.09	1.45	2.90
25.60	0.58	2.18	2.90	5.80
24.60	0.87	3.26	4.35	8.70
23.60	1.16	4.35	5.80	11.60
22.60	1.45	5.44	7.25	14.50

- 8 Chemicals required: Phenolphthalein Indicator
2N Sodium Hydroxide

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