



Bodal Chemicals Ltd.

Bodactive A New Definition of Colour

BODACTIVE BNC-HE RANGE

For Cellulose Exhaust Dyeing



Bodal Chemicals Ltd.

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Quality is our Strength



Bodal Chemicals Ltd.

BODACTIVE BNC-HE RANGE	Shade		
	0.5 %	2.0 %	4.0 %
Bodactive Yellow BNC HE6G			
Bodactive Yellow BNC HE4R			
Bodactive Orange BNC HER			
Bodactive Red BNC HE3B			
Bodactive Red BNC HE7B			
Bodactive Blue BNC HEGN			
Bodactive Blue BNC HERD			
Bodactive Turquoise BNC HEG			
Bodactive Navy Blue BNC HER			
Bodactive Black BNC HER			

General Properties							Fastness Properties								
Solubility g/l		Fixation Temp. (Exhaust Dyeing)	Effect of Metals		Change of Shade		Light			Washing					
30°C	80°C		Copper	Iron	Daylight Control		ISO B02			C03		C04		C4A	
Water	50 g/Salt				Tungsten	TL 84	1/25	1/1	2/1	Effect	Stain	Effect	Stain	Effect	Stain
45	20	80°C	2R	4R	MR	R	4	4-5	5	4-5	5	4-5	5	4-5	4-5
70	30	80°C	4D	4D	R	Br	4-5	5	5-6	5	5	5	4-5	4-5	4-5
35	<10	80°C	2R,D	4-5	LY	LY	3	3-4	4	4	5	4	4-5	4-5	2-3
80	60	80°C	2BI	4Y	Y	Y	4	5	5	5	5	5	4-5	4-5	3-4
150	150	80°C	1BI,D	4Y	Y	Y	3	4-5	4-5	5	4-5	4-5	4-5	4-5	3-4
60	50	80°C or 85°C	4-5	4-5G	D	R	4-5	5	5-6	4-5	4-5	4-5	4-5	4-5	3-4
90	80	80°C	5	2-3	D	LD	5	5-6	5-6	4-5	5	4-5	4-5	4-5	3-4
90	<5	80°C or 90°C	5	3G,D	MG	G	4-5	6	6	4-5	4-5	4	4	4-5	2-3
80	60	80°C	1R	4R,D	Y,D	LD	3-4	4	4	5	5	4-5	5	4-5	4
110	60	80°C	1Y	4-5	R	R	-	3-4	4	4-5	4	4	4-5	4-5	4

Fastness Properties																
Washing		Perspiration				Bleaching		Chlorinated Water			Rubbing		Mercerising		Hot Pressing	
AATCC 61 2A		E04				Hydrogen Peroxide		10 mg/L Cl2 (JIS L-0884)	20 mg-L Cl2 (E03)	100 mg/L Cl2 (E03)	Dry	Wet	Effect	Stain	Dry	
Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain								Effect	Stain
4-5	5	4-5	5	4 Br	4	3 R	5	4	3	1-2	5	4	4 R	5	2 R	5
4-5	5	4-5	4-5	4-5	4-5	4-5	4	4	2-3	1-2	5	4	4 G	5	4D	5
4-5	4-5	3-4	4-5	4 Y	4	4	4-5	4-5 Y	3	3	4-5	3-4	4 G	4-5	1 R	4-5 D
4-5	4-5	4-5	4-5	4-5	4	4	4-5	4-5	4	2-3	5	3-4	4-5 Y	5	2-3 BI	5
4-5	4-5	5	4-5	5	4-5	4-5	4-5	4-5	4	2-3	4-5	3-4	5	4-5	2BI	5
5	4-5	4-5	4-5	4-5	4-5	3-4 R	4-5	4 G	1	1	5	4	4 R,D	5	3 R,D	5
4-5 R	4	4-5	4	4-5 R	4	3-4	4	4	3	1	4-5	3	4 G,D	5	4 R,D	5
5	4-5	4-5	4-5	4	4-5	2	3	4	3	2	5	3-4	4	3	3 Y	5
5	5	4-5	4-5	4	4-5	4	4-5	4	3	1-2	4-5	3-4	4-5	4-5	3-4 Y	5
4-5	4-5	4	4 GY	4-5 GY	4	4	4-5	5	4-5	4	5	4	4 YG	3	3 RY	5

R=Redder, BI=Bluer, Y=Yellower, G=Greener, D=Duller, L=Little, M=Much



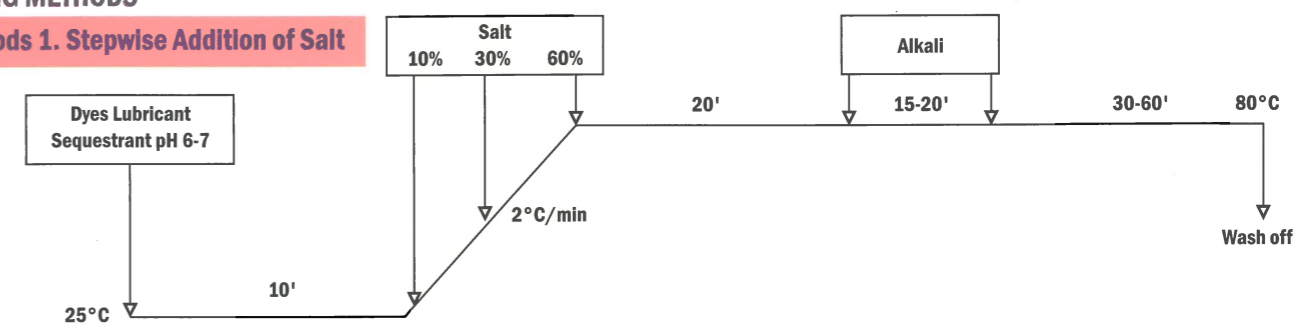
BODACTIVE BNC-HE RANGE

Salt and Alkali Requirements for Bodactive BNC-HE dyes

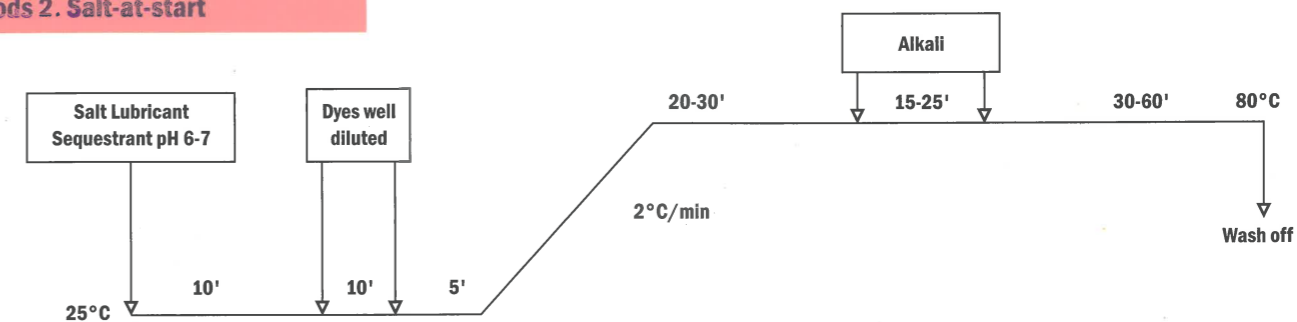
Depth of Shade %	Sodium chloride or Anhydrous sodium sulphate (g/l)		Alkali (g/l)			Fixation time (min.)
	Unmerc. Cotton	Merc. cotton or Viscose Rayon	Soda Ash	Soda Ash + Caustic Soda 100%		
upto 0.10	10	5	10	5	0.2	30
0.11-0.30	20	10	10	5	0.2	30
0.31-0.50	30	20	10	5	0.2	45
0.51-1.00	45	30	15	5	0.2	45
1.01-2.0	60	40	15	5	0.5	45
2.01-4.0	70	55	20	5	0.5	60
Above 4.00	90	65	20	5	0.5	60

DYEING METHODS

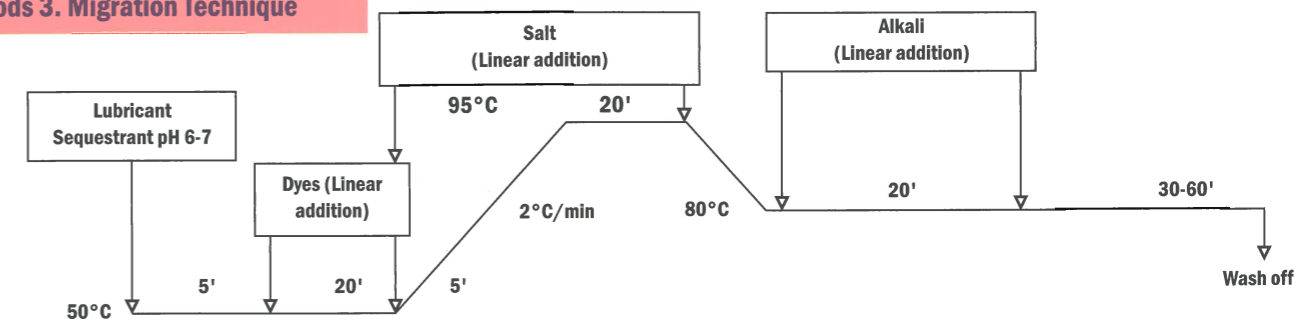
Methods 1. Stepwise Addition of Salt



Methods 2. Salt-at-start



Methods 3. Migration Technique



Methods 4. Isothermal Technique

