



# Chroma Chemical Corp.

**HEAD OFFICE(TAIWAN)**  
 No.110, Zhixiang 1st. St., Dayuan Dist.,  
 Taoyuan City Taiwan 33743  
 Tel:+886-3-381-0751  
 Fax:+886-3-381-0785  
 E-Mail:export@chromachem.com.tw

**FACTORY(SUQIAN)**  
 No. 1, Jingliu Road, Chemical Ecology Park of,  
 Suyu North Dist., Suqian, Jiangsu Province. P.R.  
 China 223809  
 Tel:+86-527-8803-2155  
 Fax:+86-527-8803-2163

Dischargibility rating are based on staining Grey Scale 拔白性依沾色灰色標評級。

Dyeing Suitability 染色法：◎合適 Suitable ○尚可 Limited Suitable ×不可 Not Suitable

Dyes 染料	Dyeing on Unmercerized Cotton 非絲光棉染色	Dyeing Depth %o.w.f 染色 濃度	Solubility 50°C/g 溶解度	Dischargibility 拔白性		Dyeing Suitability 適用染法				Fastness 牢度				
				Neutral 中性	Alkali 鹼性	Exhaust Dyeing 浸染	Contin. Dyeing 軋染	C.P.B. 冷軋染	Printing 印花	Light 日光	Washing 水洗	Dry Rub 乾磨	Wet Rub 濕磨	Chlorine Bleaching 氯漂
Yellow CD-2G 嫩黃		2	100	4	4	◎	◎	×	○	5-6	5	5	4	1-2
Yellow CD-R 黃		2	100	3-4	3-4	◎	◎	◎	○	5	4-5	4-5	3	4
Yellow CD 黃		2	100	4	4	◎	◎	◎	○	4-5	4-5	4-5	3	3-4
Orange CD-2R 橙		2	100	3	3	◎	○	○	○	4-5	3-4	4	2-3	4
Orange CD 橙		2	100	3-4	4	◎	◎	◎	○	4	4	4-5	3-4	3
Orange CD-4R 橙		2	100	3-4	4	◎	◎	◎	○	4	4	4-5	3-4	3
Yellow Brown CD 黃棕		2	100	4	4	◎	◎	◎	○	4	4-5	4-5	3	3-4
Brown CD 棕		2	100	3	3	◎	◎	◎	○	4	4	4-5	3-4	2
Scarlet CD 大紅		2	100	3-4	3-4	◎	◎	◎	○	4-5	4-5	4-5	2-3	3-4
Red CD 紅		2	100	2-3	2-3	◎	◎	◎	○	4-5	4-5	4-5	2-3	4
Red CD-3B 紅		2	100	2-3	2-3	◎	◎	◎	○	4-5	4-5	4-5	2-3	3-4
Red CD-4B 紅		2	100	2-3	2-3	◎	◎	×	○	4-5	4-5	4-5	2-3	3-4
Red CD-7B 栗紅		2	90	2	2	◎	◎	◎	○	4	4	4	2-3	3-4
Brill. Blue CD-G 翠藍		2	100	2	2	◎	◎	◎	○	4-5	4-5	4-5	2-3	1
Brill. Blue CD-NG 翠藍		2	100	2	2	◎	◎	◎	○	4-5	4-5	4-5	2-3	1
Royal CD 海洋藍		2	100	2	2	◎	◎	×	○	4	4	4-5	3	1
Brill. Blue CD-NR 藍		2	100	2	2	◎	◎	◎	○	4-5	4-5	4-5	2-3	1
Blue CD 藍		2	100	3	3	◎	◎	◎	○	5	4-5	4-5	2-3	4-5
Navy CD 藏青		2	120	4	4	◎	◎	◎	○	4	4-5	4-5	2-3	1-2
Black CD 黑		6	100	4	4	◎	◎	◎	○	4-5	4-5	4-5	2-3	1-2
Black CD-2R 黑		6	100	3	2-3	◎	◎	◎	○	4	4	5	2-3	1
Black CD-WN 黑		6	100	3-4	3-4	◎	◎	◎	○	4-5	4-5	4-5	3	1-2
Black CD-WG 黑		6	100	3-4	3-4	◎	◎	◎	○	4-5	4-5	4-5	3	1-2
Black CD-WR 黑		6	100	3-4	3-4	◎	◎	◎	○	4-5	4-5	4-5	3	1-2



# 虹光化學工業股份有限公司

台灣總公司：  
 桃園市大園區致祥一街110號  
 Tel:+886-3-381-0751  
 Fax:+886-3-381-0785  
 E-Mail:export@chromachem.com.tw

宿遷工廠：  
 宿遷生態化工科技產業園  
 工業園區經六路一號  
 Tel:+86-527-8803-2155  
 Fax:+86-527-8803-2163

上海辦事處：  
 上海市金鐘路658弄12號B座  
 TEL:+86-21-5150-7029  
 FAX:+86-21-5150-7023

## 介紹 INTRODUCTION

CD染料具有超高的上色率及超深的濃度，產生的特高色值是傳統型中溫染料所不能望其項背，是一套具環保與經濟性、效率性的高品質綠色產品。適合於浸染及軋染的應用。

Chrofix CD dyes are a series of high concentration and high color yield dyes. It is usually applied in extra deep shade which can not be achieved by conventional dyes. It satisfy increasing ecological, efficient and economic requirements. They are recommended for cellulosic fibers, including blends for use in exhaust and continuous dyeing.

## 優勢 ADVANTAGES

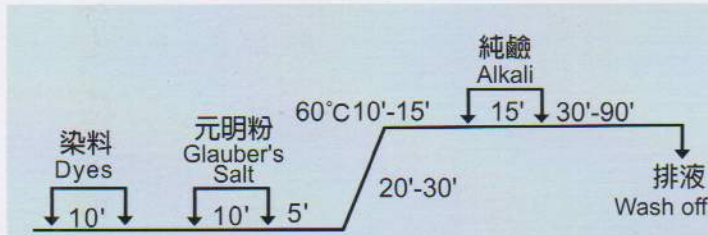
- ▶ 三原色 For Tricolor of Deep Color
  - 黃 : Yellow CD
  - 紅 : Red CD
  - 藏青 : Navy CD
- ▶ 環保 Environmental Friendly
  - 高固色率，腳水少  
High fixation, leaves less color in effluent
  - 易清洗，省水及省能源  
Easy washing off, saving valuable water and energy
  - 中溫染色節省能源消耗  
Warm dyeing application consumes less energy
- ▶ 省染料 Cost-Effectiveness
  - 超高上色率  
Super color yield and high fixation
  - 比傳統染料染色配方成本降低很多  
Dyes amount used lesser than conventional dyes
- ▶ 省工時 Time Efficiency
  - 節省化學品使用及加料時間  
Less chemical and dosing times are required
  - 易清洗，省下許多工時  
Easy washing off, saving valuable time
- ▶ 效率佳 Excellent Dyeing Performance
  - 牢度穩定性好  
Reliable fastness
  - 重現性優  
Excellent reproducibility
  - 有些產品能適用於冷軋染  
Selected dyes perform very well in C.P.B.
  - 可與其他虹光傳統型染料配合使用  
Excellent compatibility within complete Chrofix Conventional Dyes & Chrofix CD range

## 染色方法說明 DYEING METHOD

### 浸染染色 Exhaustion Dyeing

#### 1. 一般染法，升溫法

##### A. Standard Method: Raising Temperature Method



#### 2. 恆溫染色法

##### B. Constant Temperature Method



上述資料建立於本公司實驗室現有知識及經驗之上，所有數據僅供參考。未能涵蓋所有客戶染房內實際的條件及情況，因此使用產品前，請做好充足實驗。 This information given in this shade card is based on our current knowledge and work carried out in our laboratory. All data value provided is for references only. The practical dyeing conditions of customers are not what we can control, so doing sufficient experiments is strongly recommended before using our products.

### 鹽及鹼用量表 Salt & Alkali Requirements

Fixation time (mins)	鹼 Alkali g/l				元明粉或鹼 Salt: Na <sub>2</sub> SO <sub>4</sub> or NaCl g/l		Depth
	Na <sub>3</sub> PO <sub>4</sub>	Jig dyeing L/R 1:3-5 Soda ash+Caustic soda	Soda ash+Caustic soda	Soda ash	Mercerized cotton of Rayon	Umercerized cotton	
40	6	5+1.0	5+0.5	10	5*	10	0.1% ↓
50	6	5+1.0	5+0.5	10	10	20	0.1%-0.5%
50	10	5+1.0	5+1.0	15	20	30	0.5%-1.0%
60	10	5+2.0	5+2.0	20	30	40	1.0%-2.0%
60	15	5+2.0	5+2.0	20	40	50	2.0%-3.0%
60	15	5+2.0	5+3.0	20	50	60	3.0%-5.0%
80	15	5+4.0	5+3.0	20	60	70	5.0%-7.0%
90	15	5+4.0	5+3.0	20	70	80	7.0% ↑
固色時間(分)	磷酸三鈉	吉革染色純鹼+液鹼	純鹼+液鹼	純鹼	純光棉/黏膠棉	未絲光棉	濃度

Concentration of Caustic Soda: 32.5% 液鹼濃度 32.5%

## 牢度試驗方法 Fastness Test Method

耐光 Light Fastness : ISO 105 B01 1989

水洗 Washing Fastness : AATCC 61-1994A

磨擦 Rubbing Fastness : JISL-0823 B Type

耐氯漂 Chlorine Bleaching : ISO105-N01-1993

