

## TECHNICAL SPECIFICATION OF C.P.C. GREEN-7

- **FORMULA** :-  $C_{32}H_3N_8Cl_{13}Cu$  TO  $C_{32}H_8N_8Cl_{15}Cu$   
(The Chlorine content varies between about 13 & 15 atoms of chlorine per molecule)

- **TRADE NAME** :- COPPER PHTHALOCYanine GREEN-G

Color Index Generic Name : Pigment Green-7  
Color Index Number : 74260  
CAS Number : 1328-58-6  
Chemical Family : Phthalocynine

<u>CAS NUMBER</u>	<u>CHEMICAL NAME</u>	<u>% BY WEIGHT</u>
1328-53-6	Crude Copper Phthalocynine Green pigment	98 + 2%
7440-50-8	Copper	5.5% Max.
7732-18-5	Moisture (Water)	1.2%

- **PHYSICAL DATA :-**

➤ Powder Appearance	- Dark & Bright Green
➤ Specific Gravity	- 1.40 to 1.44
➤ Bulk Density	- 3.0 ltr./kg.
➤ Solubility in water	- Insoluble
➤ Oil absorption	- 33 gms., 100 gms. of pigment
➤ Sieve residue (350 mesh) (Grit)	- 500 PPM Max.
➤ Heat stability	- 200 Centi.
➤ Moisture Content	- Less than 1%.
➤ Water soluble	- Less than 1%.
➤ PH of aqueous extract	- 7
➤ Dispersion	- < 10 Micron
➤ Heavy metal	- < 5 PPM
➤ Free copper	- < 100 PPM
➤ Texture	- Very soft
➤ Tinting strength	- Very high

- **FASTEST PROPERTIES : (1-5 Scale, 1 Poor - 5 Excellent)**

Water	: 5	Butanol	: 5	Butul Acetate	: 5
Ethanol	: 5	Aceton	: 5	Xylene	: 5
Mineral turp- -entine	: 5	Methyl ethyl : 5 ketone		Linseed oil	: 5
Soap	: 5				

- **LIGHT FASTNESS : (1 - 8 Scale, 1 Very low - 8 Outstanding)**

25% Shade : 8                      10% Shade : 8                      5% Shade : 8

- **APPLICATIONS:** Textiles, Paints, Printing inks, Plastics, Rubber, Soap, Cement Color etc.

➤ **NOTES:** This technical information is offered for guidance but without guarantee.