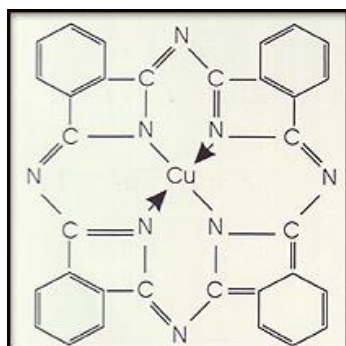


## Specification Of CPC Blue

IDENTIFICATION	
Colour Index	74160
CAS Number	147-14-8
Chemical family	Copper complex of Phthalocyanine
Synonyms	Copper phthalocyanine crude, CPC Crude, CPC Blue (Crude)
Chemical Formula	$C_{32}H_{16}N_8Cu$
Molecular Weight	576.07

## Chemical Structure



## Typical Properties

Appearance	Bright blue free flowing powder
Solvent used for manufacture	Ortho Nitro Toulene, Alkyl Benzene
Bulk Density	0.35 gms/cc
Purity by Acid Pasting Method	98.50% Minimum
Moisture	0.50% Maximum
Residue on 325 mesh	150 ppm Maximum
Free Copper	500 ppm Maximum
Conductivity	500 $\mu$ s/cm Maximum
Iron content	Traces
PCB's	Nil
Volatile Matter	0.20% Maximum
pH	6.5 to 8.0
Matter soluble in water	0.50% Maximum