

THE CHEMICAL BROTHERS GROUP

Specifications: Copper Phthalocyanine Blue

Formula C₃₂H₁₆CuN₈

Date of Mfg.: 3rd April 2024

Property	Mazcol Blue Crude CPC	Mazcol Crude Blue ACPC 1 / 2 / 3 / 4
Colour Index Number	74160	74160
Description	-----	Activated or premilled crude for easy conversion to bright, strong beta blue or alpha blue pigment
Physical Form	Dark blue powder	Dense dark blue powder with flakes
Specific Gravity	1.65	1.65
Bulk Density (gm/cc)	0.40 - 0.50	0.65
Purity	Minimum 97.5%	Minimum 97.5%
Copper Content	Minimum 10.6%	Minimum 10.6%
Free Copper	Maximum 1000 ppm	Maximum 1000 ppm
Grit Content	Less than 50 ppm	Less than 200 ppm
Iron Content	Less than 10 ppm	Less than 25 ppm
pH	4.5 - 8.5	4.5 - 8.5
Water Soluble Matter	Maximum 1%	Maximum 1%
Volatile Matter	Maximum 0.5%	Maximum 0.5%
Solvent Used	Ortho Nitro Toluene (ONT)	Ortho Nitro Toluene (ONT)
Application Recommendations	Raw material for the manufacture of Pigment Blue 15, 15:1, 15:2, 15:3, 15:4	Starting material for Beta Blue or Alpha Blue pigment, Pigment Green 7, Reactive Turquoise Blue 3, 21, 25, 71, 140, Direct Turquoise Blue 86, Direct Blue 199
Regulatory Compliance: PCB	Below Detection Limit (BDL)	Below Detection Limit (BDL)
Regulatory Compliance: Dioxins	Below Detection Limit (BDL)	Below Detection Limit (BDL)
Regulatory Compliance: SVHC	Absent	Absent
Regulatory Compliance: Heavy Metals	Below Detection Limit (BDL)	Below Detection Limit (BDL)
Regulatory Compliance: Banned Amines	Below Detection Limit (BDL)	Below Detection Limit (BDL)

End of Report*

THE CHEMICAL BROTHERS GROUP

Specifications: Copper Phthalocyanine Green

Formula C₃₂H₁₆CuN₈

Date of Mfg.: 3rd April 2024

Property	901	902	903	904	905
Strength	95% - 105%	95% - 105%	95% - 105%	95% - 105%	95% - 105%
pH	7 to 8.7	7 to 8.7	7 to 8.7	7 to 8.7	7 to 8.7
Water Soluble	Max 1.0%	Max 1.0%	Max 1.0%	Max 1.0%	Max 1.0%
Volatile Matter	Max 1.0%	Max 1.0%	Max 1.0%	Max 1.0%	Max 1.0%
Residue on Sieve	0.05%	0.05%	0.05%	0.05%	0.05%
Oil Absorption	30% - 35%	30% - 35%	30% - 35%	30% - 35%	30% - 35%
Conductivity	Max 500 μS/cm	Max 500 μS/cm	Max 500 μS/cm	Max 500 μS/cm	Max 500 μS/cm

End of Report*