



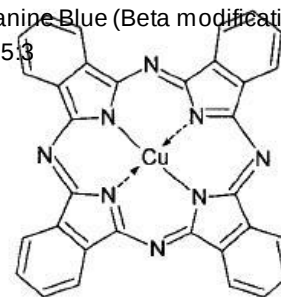
ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

For paints / inks / plastic / Rubber industries Raw material available with us under self import / Manufacturing / Trading. - SPECIFICATION – Pigment Beta Blue 15 : 3



PIGMENT PHTHALOCYANINE BETA BLUE (15:3) COMPARATIVE PROPERTIES AND USES

Chemical Class	:	Copper Phthalocyanine Blue (Beta modification)
Colour Index Name	:	PIGMENT BLUE 15:3
Colour Index No.	:	74160
Molecular Weight	:	576
Cas No.	:	147-14-8
Molecular Formula	:	C ₃₂ H ₁₆ CuN ₈
PHYSICAL PROPERTIES		
Oil Absorption (Ml/100gms)	:	45±1
Bulk Density	:	0.30±0.02 Gms/cc
Specific Gravity (20 C)	:	1.50-1.54
Solubility in Water	:	Maximum 1%
Residue on 325 Mesh-sieve	:	
Grit Content	:	<50ppm
Heavy Metal	:	<3ppm
Free Copper	:	<50ppm
Moisture Content	:	Maximum 1%
PH of 10%Aq.Slurry	:	7.0-8.0
Heat Stability	:	Stable up to 225°C (As per Application)
Dispersibility	:	Excellent



Structure III: Pigment Blue 15

Structural formula of
Pigment Beta Blue 15:3

FASTNESS PROPERTIES (1-5 Scale: 1=Poor, 5=Excellent)

Water	:	5	Toluene	:	5
Ethanol	:	5	MEK	:	5
Butanol	:	5	Turpentine	:	4-5
Acetone	:	5	Soap	:	5
Butyl Acetate	:	4-5	Wax	:	4
Ortho-Xylene	:	3-4	Alkalies NaOH	:	5
Methanol	:	4-5	Acids (HCL)	:	5
Cello salt	:	5	Sterilization	:	5
OIL/PLASTICIZER (1-8 Scale: 1= Poor, 8=Excellent)					
Linseed Oil	:	8	DOP	:	6
Caster Oil	:	7	DBP	:	8
DCO	:	8	Light Fastness	:	8

APPLICATIONS

Pigment suitable letter press ink, Gravure Ink, Offset Inks, Metal Decorating Ink, Silk Screen Ink, Air drying & Decorative Paints, Water base paints, Flexo-graphic Inks, Plastic Application, Paint Emulsion, Paper, Leather etc. The above specification is representing general idea of the report however same is subject to variation up to certain extent, since this is been PIGMENT, automatic action & reaction is very natural even test pack of the materials and same is depending on natural weather too.

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