

DCC RED 2733

Lithol Rubine



Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

Chemical Type ----- 2-Naphthalenecarboxylic acid, 3-hydroxy-4-[(4-methyl-2-sulphophenyl)azo]-, Calcium salt (1:1)
Colour Index Name ----- Pigment Red 57:1
CAS No. ----- 5281-04-9
Physical Form ----- Powder

SPECIFICATIONS:

| | <u>LIMITS</u> | <u>TEST METHODS</u> |
|-----------------------------|-----------------------------|---------------------|
| Print-tone Shade ----- | Max. Delta E* 2.0 of Std. - | DCC TM 0001 (1) |
| Tint Strength (apparent) -- | + 5% of Std. ----- | DCC TM 0001 (1) |

GENERAL DATA (TYPICAL VALUES):

Specific Gravity ----- 1.53 g/cc ----- DCC TM 3101B (1)
Oil Absorption ----- 80 ----- ASTM D-281-84 (Fasig Method)
Moisture ----- <2.0% ----- ASTM D-280-81

(1) Test Methods available from DCC on request.

PROPERTIES:

BLEED RESISTANCE

Ethyl Acetate --- Very Good
Ethyl Alcohol --- Fair
Butyl Alcohol --- Good
Cellosolve ----- Poor
D.B.P. ----- Very Good
Glycol ----- Poor
Lard ----- Excellent
Linseed Oil ----- Good
MEK ----- Very Good
Mineral Spirits - Excellent
Water (cold) ---- Excellent
Wax (Paraffin) -- Excellent
Xylene ----- Very Good

CHEMICAL RESISTANCE

Dilute Acid ----- Fair
Dilute Alkali ----- Good
Detergent ----- Poor
Soap ----- Poor

HEAT RESISTANCE

120°C/30 minutes -- Excellent

LITHOGRAPHIC PERFORMANCE

Aqueous ----- Very Good
Alcoholic ----- Good

LIGHTFASTNESS - INK (72 hr. F/O)

Full Strength ----- Fair/Good
TiO₂ Tint (1:10) --- Poor

WEATHERFASTNESS - PAINT (W/O or Florida)

Full Strength --- Fair/Poor
TiO₂ Tint (1:10) - Poor

F/O = Fade-o-meter

W/O = Weather-o-meter

SPECIAL COMMENTS:

High strength and superior gloss blue-shade rubine for lithographic and oil inks.

Shade & strength determinations are made with the aid of a MacBeth Colour Computer, under the following conditions: CIELAB, 10 degree observer, D65 light source, UV & gloss included.

TECHNICAL SERVICE LAB

APPROVAL: _____

QUALITY CONTROL LAB

APPROVAL: _____

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PAGE 1 OF 1

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