

TECHNICAL DELIVERY SPECIFICATION

PRODUCT NAME : **PIGMENT YELLOW 74**

CHEMICAL CHARACTERISTICS : MONO AZO PIGMENT
WITHOUT LAKE FORMING GROUP

C. I. NAME : PIGMENT YELLOW 74

C.I. NO. : 11741

CAS NO. : 6358- 30 -1

TECHNICAL PROPERTIES

PHYSICAL PROPERTIES

SIEVE RESIDUE : 0.1 % ON 240 MESH

MOISTURE CONTENT : 1.0 % MAX.

pH : 5 TO 8

SP. CONDUCTIVITY : \leq 0.5 mS/cm

COLOURISTICS AND APPLICATION PROPERTIES

VISUAL ASSESSMENT - (UNDER CONTROLLED TEST CONDITIONS OF SAMPLE
PREPARATION AND VIEWING) THE SUPPLIED MIXTURE SHALL BE
VERY CLOSE MATCH OF STD.

SPECTRO PHOTOMETRY IN CIELAB

SPECIFICATIONS DL LIGHTNESS/ DARKNESS : \pm 0.5

DC DULLNESS /BRIGHTNESS: \pm 0.8

DH SHADE : \pm 0.5

COLOUR STRENGTH : \pm 5 % OF THE STD.

TECHNICAL DELIVERY SPECIFICATION

PRODUCT NAME : **PIGMENT YELLOW 1**
 CHEMICAL CHARACTERISTICS : MONO AZO PIGMENT
 WITHOUT LAKE FORMING GROUP
 C. I. NAME : PIGMENT YELLOW 1
 C.I. NO. : 11680
 CAS NO. : 2512 - 29 - 0

TECHNICAL PROPERTIES

PHYSICAL PROPERTIES

SIEVE RESIDUE : 0.1 % ON 240 MESH
 MOISTURE CONTENT : 1.0 % MAX.
 pH : 5 TO 8
 SP. CONDUCTIVITY : \leq 0.5 mS/cm

COLOURISTICS AND APPLICATION PROPERTIES

VISUAL ASSESSMENT - (UNDER CONTROLLED TEST CONDITIONS OF SAMPLE
 PREPARATION AND VIEWING) THE SUPPLIED MIXTURE SHALL
 BE VERY CLOSE MATCH OF STD.

SPECTRO PHOTOMETRY IN CIELAB

SPECIFICATIONS	DL	LIGHTNESS/ DARKNESS	: \pm 0.5
	DC	DULLNESS /BRIGHTNESS:	\pm 0.8
	DH	SHADE	: \pm 0.5

COLOUR STRENGTH : \pm 5 % OF THE STD.

TECHNICAL DELIVERY SPECIFICATION

PRODUCT NAME : **PIGMENT RED 48:4**

CHEMICAL CHARACTERISTICS : MONO AZO PIGMENT MANGANESE SALT

C. I. NAME : PIGMENT RED 48:4

C.I. NO.: 15865 : 4

CAS NO.: 5280-66-0

TECHNICAL PROPERTIES

PHYSICAL PROPERTIES

SIEVE RESIDUE	: 0.1 % ON 240 MESH
MOISTURE CONTENT	: 1.0 % MAX.
pH	: 5 TO 8
SP. CONDUCTIVITY	: <1.0 mS/cm

COLOURISTICS AND APPLICATION PROPERTIES

VISUAL ASSESSMENT - (UNDER CONTROLLED TEST CONDITIONS OF PREPARATION AND VIEWING) THE SUPPLIED MIXTURE SHALL BE VERY CLOSE MATCH OF STD. SAMPLE

SPECTRO PHOTOMETRY IN CIELAB

*SPECIFICATIONS	DL	LIGHTNESS/ DARKNESS	: ± 0.5
	DC	DULLNESS /BRIGHTNESS:	± 0.8
	DH	SHADE	: ± 0.5

	COLOUR STRENGTH	: ± 5 % OF THE STD.
OVERSPRAY FASTNESS		: COMPARABLE TO STD.

TECHNICAL DELIVERY SPECIFICATION

PRODUCT NAME : **PIGMENT RED 4**

CHEMICAL CHARACTERISTICS : MONO AZO PIGMENT
WITHOUT LAKE FORMING GROUP

C. I. NAME : PIGMENT RED 4

C.I. NO. : 12085

CAS NO. : 2814 - 77 - 9

TECHNICAL PROPERTIES

PHYSICAL PROPERTIES

SIEVE RESIDUE : 0.1 % ON 240 MESH
MOISTURE CONTENT : 1.0 % MAX.
pH : 5 TO 8
SP. CONDUCTIVITY : \leq 0.50 mS/cm

COLOURISTICS AND APPLICATION PROPERTIES

VISUAL ASSESSMENT - (UNDER CONTROLLED TEST CONDITIONS OF SAMPLE PREPARATION AND VIEWING) THE SUPPLIED MIXTURE SHALL BE VERY CLOSE MATCH OF STD.

SPECTRO PHOTOMETRY IN CIELAB

*SPECIFICATIONS DL LIGHTNESS/ DARKNESS : \pm 0.5
DC DULLNESS /BRIGHTNESS: \pm 0.8
DH SHADE : \pm 0.5

COLOUR STRENGTH : \pm 5 % OF THE STD.

TECHNICAL DELIVERY SPECIFICATION

PRODUCT NAME : **PIGMENT RED 3**

CHEMICAL CHARACTERISTICS : MONO AZO PIGMENT
WITHOUT LAKE FORMING GROUP

C. I. NAME : PIGMENT RED 3

C.I. NO.: 12120

CAS NO.: 2425- 85- 6

TECHNICAL PROPERTIES

PHYSICAL PROPERTIES

SIEVE RESIDUE	: GRANNULAR
MOISTURE CONTENT	: ≤ 1.0 % MAX.
pH	: 5 TO 8
SP. CONDUCTIVITY	: ≤ 0.5 mS/cm

COLOURISTICS AND APPLICATION PROPERTIES

VISUAL ASSESSMENT - (UNDER CONTROLLED TEST CONDITIONS OF SAMPLE PREPARATION AND VIEWING) THE SUPPLIED MIXTURE SHALL BE VERY CLOSE MATCH OF STD.

SPECTRO PHOTOMETRY IN CIELAB

*SPECIFICATIONS	DL	LIGHTNESS/ DARKNESS	: ± 0.5
	DC	DULLNESS /BRIGHTNESS:	± 0.8
	DH	SHADE	: ± 0.5

COLOUR STRENGTH : ± 5 % OF THE STD.

TECHNICAL DELIVERY SPECIFICATION

PRODUCT NAME : **PIGMENT RED 170**

CHEMICAL CHARACTERISTICS : MONO AZO PIGMENT
WITHOUT LAKE FORMING GROUP

C. I. NAME : PIGMENT RED 170

C.I. NO. : 12475

CAS NO. : 2786-76-7

TECHNICAL PROPERTIES

PHYSICAL PROPERTIES

SIEVE RESIDUE : ≤ 0.1 % ON 240 MESH
MOISTURE CONTENT : ≤ 1.0 % MAX.
pH : 5 TO 8
SP. CONDUCTIVITY : ≤ 0.5 mS/cm
MIXED SOLVENT FASTNESS : +/- 2 UNITS VISUAL

COLOURISTICS AND APPLICATION PROPERTIES

VISUAL ASSESSMENT - (UNDER CONTROLLED TEST CONDITIONS OF PREPARATION AND VIEWING) THE SUPPLIED MIXTURE SHALL BE VERY CLOSE MATCH OF STD. SAMPLE

SPECTRO PHOTOMETRY IN CIELAB

*SPECIFICATIONS DL LIGHTNESS/ DARKNESS : ± 0.5
DC DULLNESS /BRIGHTNESS: ± 0.8
DH SHADE : ± 0.5

COLOUR STRENGTH : ± 5 % OF THE STD.

TECHNICAL DELIVERY SPECIFICATION

PRODUCT NAME : **PIGMENT RED 112**

CHEMICAL CHARACTERISTICS : MONO AZO PIGMENT
WITHOUT LAKE FORMING GROUP

C. I. NAME : PIGMENT RED 112

C.I. NO.: 12370

CAS NO.: 6535 - 46 - 2

TECHNICAL PROPERTIES

PHYSICAL PROPERTIES

SIEVE RESIDUE	: 0.1 % ON 240 MESH
MOISTURE CONTENT	: 1.0 % MAX.
pH	: 5 TO 8
SP. CONDUCTIVITY	: ≤ 0.50 mS/cm

COLOURISTICS AND APPLICATION PROPERTIES

VISUAL ASSESSMENT - (UNDER CONTROLLED TEST CONDITIONS OF PREPARATION AND VIEWING) THE SUPPLIED MIXTURE SHALL BE VERY CLOSE MATCH OF STD. SAMPLE

SPECTRO PHOTOMETRY IN CIELAB

*SPECIFICATIONS	DL	LIGHTNESS/ DARKNESS	: ± 0.5
	DC	DULLNESS /BRIGHTNESS	: ± 0.8
	DH	SHADE	: ± 0.5

COLOUR STRENGTH : ± 5 % OF THE STD.

TECHNICAL DELIVERY SPECIFICATION

PRODUCT NAME : **PIGMENT GREEN 7**

CHEMICAL CHARACTERISTICS : CHLORINATED COPPER PHTHALOCYANINE

C. I. NAME : PIGMENT GREEN 7

C.I. NO. : 74260

CAS NO. : 1328-53-6

TECHNICAL PROPERTIES

PHYSICAL PROPERTIES

SIEVE RESIDUE : ≤ 0.1 % ON 240 MESH
MOISTURE CONTENT : ≤ 1.0 % MAX.
pH : 5.5 TO 8.5
SP. CONDUCTIVITY : < 0.2 mS/cm

COLOURISTICS AND APPLICATION PROPERTIES

VISUAL ASSESSMENT - (UNDER CONTROLLED TEST CONDITIONS OF PREPARATION AND VIEWING) THE SUPPLIED MIXTURE SHALL BE VERY CLOSE MATCH OF STD. SAMPLE

SPECTRO PHOTOMETRY IN CIELAB

SPECIFICATIONS DL LIGHTNESS/ DARKNESS : ± 0.5
DC DULLNESS /BRIGHTNESS: ± 0.8
DH SHADE : ± 0.5

COLOUR STRENGTH : ± 5 % OF THE STD.

TECHNICAL DELIVERY SPECIFICATION

PRODUCT NAME : PIGMENT BLUE 15:4

CHEMICAL CHARACTERISTICS : COPPER PHTHALOCYANINE BETA

MODIFICATION WITH NON CRYSTALLISING &
NON FLOCCULATING

C. I. NAME : PIGMENT BLUE 15:4

C.I. NO : 74160
CAS NO : 147-14-8

TECHNICAL PROPERTIES

PHYSICAL PROPERTIES

SIEVE RESIDUE : 1.0 % ON 240 MESH
MOISTURE CONTENT : 1.0 % MAX.
pH : 5 TO 8
SP. CONDUCTIVITY : ≤ 0.5 mS/cm
MIXED SOLVENT FASTNESS : +/- 2UNIT VISUAL

COLOURISTICS AND APPLICATION PROPERTIES

VISUAL ASSESSMENT - (UNDER CONTROLLED TEST CONDITIONS OF PREPARATION AND VIEWING) THE SUPPLIED MIXTURE SHALL BE VERY CLOSE MATCH OF STD. SAMPLE

SPECTRO PHOTOMETRY IN CIELAB

SPECIFICATIONS	DL	LIGHTNESS/ DARKNESS	: ± 0.5
	DC	DULLNESS /BRIGHTNESS:	± 0.8
	DH	SHADE	: ± 0.5

COLOUR STRENGTH : ± 5 % OF THE STD.

TECHNICAL DELIVERY SPECIFICATION

PRODUCT NAME : **PIGMENT BLUE 15:3**

CHEMICAL CHARACTERISTICS : COPPER PHTHALOCYANINE
BETA MODIFICATION

C. I. NAME : PIGMENT BLUE 15:3

C.I. NO. : 74160

CAS NO. : 147-14-8

TECHNICAL PROPERTIES

PHYSICAL PROPERTIES

SIEVE RESIDUE : \leq 0.10 % ON 240 MESH
MOISTURE CONTENT : 1.0 % MAX.
pH : 5 TO 8
SP. CONDUCTIVITY : \leq 0.20 mS/cm

COLOURISTICS AND APPLICATION PROPERTIES

VISUAL ASSESSMENT - (UNDER CONTROLLED TEST CONDITIONS OF SAMPLE
PREPARATION AND VIEWING) THE SUPPLIED MIXTURE SHALL BE VERY CLOSE MATCH OF STD.

SPECTRO PHOTOMETRY IN CIELAB

*SPECIFICATIONS DL LIGHTNESS/ DARKNESS : \pm 0.5
DC DULLNESS /BRIGHTNESS: \pm 0.8
DH SHADE : \pm 0.5

COLOUR STRENGTH : \pm 5 % OF THE STD.

TECHNICAL DELIVERY SPECIFICATION

PRODUCT NAME : **PIGMENT BLUE 15:2**

CHEMICAL CHARACTERISTICS : COPPER PHTHALOCYANINE ALFA MODIFICATION WITH
NON CRYSTALLISING

C. I. NAME : PIGMENT BLUE 15:2

C.I. NO.: 74160

CAS NO.: 147-14-8

TECHNICAL PROPERTIES

PHYSICAL PROPERTIES

SIEVE RESIDUE : 20.0 +/- 5 % ON 240 MESH
MOISTURE CONTENT : 1.0 % MAX.
pH : 5 TO 8
SP. CONDUCTIVITY : ≤ 0.5 mS/cm
MIXED SOLVENT FASTNESS : +/- 2 UNIT VISUAL

COLOURISTICS AND APPLICATION PROPERTIES

VISUAL ASSESSMENT - (UNDER CONTROLLED TEST CONDITIONS OF SAMPLE
PREPARATION AND VIEWING) THE SUPPLIED MIXTURE SHALL
BE VERY CLOSE MATCH OF STD.

SPECTRO PHOTOMETRY IN CIELAB

*SPECIFICATIONS DL LIGHTNESS/ DARKNESS : ± 0.5
DC DULLNESS /BRIGHTNESS: ± 0.8
DH SHADE : ± 0.5

COLOUR STRENGTH : ± 5 % OF THE STD.

TECHNICAL DELIVERY SPECIFICATION

PRODUCT NAME : **PIGMENT YELLOW 3**

CHEMICAL CHARACTERISTICS : MONO AZO PIGMENT
WITHOUT LAKE FORMING GROUP

C. I. NAME : PIGMENT YELLOW 3

C.I. NO. : 11710

CAS NO. : 6886 - 23 - 3

TECHNICAL PROPERTIES

PHYSICAL PROPERTIES

SIEVE RESIDUE : 0.1 % ON 240 MESH
MOISTURE CONTENT : 1.0 % MAX.
pH : 5 TO 8
SP. CONDUCTIVITY : ≤0.5 mS/ cm

COLOURISTICS AND APPLICATION PROPERTIES

VISUAL ASSESSMENT - (UNDER CONTROLLED TEST CONDITIONS OF PREPARATION AND VIEWING) THE SUPPLIED MIXTURE SHALL BE VERY CLOSE MATCH OF STD. SAMPLE

SPECTRO PHOTOMETRY IN CIELAB

SPECIFICATIONS DL LIGHTNESS/ DARKNESS : ± 0.5
DC DULLNESS /BRIGHTNESS: ± 0.8
DH SHADE : ± 0.5

COLOUR STRENGTH : ±5 % OF THE STD.