

June 9, 2015.

To whom it may concern :

TECHNICAL DATA SHEET

Product Name : NEW AS-HDN YELLOW

1) PHYSICAL DATA

		<u>STD</u>
1. Tack (Ink-o-meter) (32°C, 400 rpm, 1 Min.)		6.7 ± 1.0
2. Flow (Spread-o-meter)(25°C, 1 Min) Reological Properties		37.0±1.0
3. Viscosity (Laray Viscometer)		170.0±30.0
4. L* a* b* Value (Chromo Meter CR 200 Minolta)	L*	95.00±1.00
	a*	-6.00±1.00
	b*	115.00±1.00
5. Color Strength (Gretag Macbeth 196 Densitometer)	Y	1.25±0.05
	M	0.10±0.05
	C	-0.01±0.05
	V	0.03±0.05
6. Light Fastness		3
7. Alkali Resistance		4

* Light Fastness & Alkali Resistance : (strong) 5 – 3 – 1 (week)

2) Type of Dryness : Oxidation & Penetration

..... E. & O. E. MITSUBOSHI PRINTING INK CO.,LTD.

Manager of Foreign Dept.

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Since 1923

June 9, 2015.

To whom it may concern ;

TECHNICAL DATA SHEET

Product Name : NEW AS-HDN MAGENTA

1) PHYSICAL DATA

		<u>STD</u>
1. Tack (Ink-o-meter) (32°C, 400 rpm, 1 Min.)		8.2 ± 1.0
2. Flow (Spread-o-meter)(25°C, 1 Min) Reological Properties		34.5 ± 1.0
3. Viscosity (Laray Viscometer)		250.0 ± 30.0
4. L* a* b* Value (Chromo Meter CR 200 Minolta)	L*	44.00 ± 1.00
	a*	83.00 ± 1.00
	b*	20.00 ± 1.00
5. Color Strength (Gretag Macbeth 196 Densitometer)	Y	1.20 ± 0.05
	M	2.15 ± 0.05
	C	0.30 ± 0.05
	V	0.73 ± 0.05
6. Light Fastness		3
7. Alkali Resistance		2

* Light Fastness & Alkali Resistance : (strong) 5 – 3 – 1 (week)

2) Type of Dryness : Oxidation & Penetration

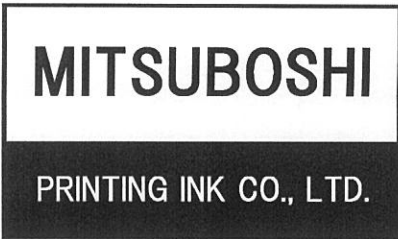
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MITSUBOSHI PRINTING INK CO.,LTD.

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June 9, 2015.

To whom it may concern ;

TECHNICAL DATA SHEET

Product Name : NEW AS-HDN CYANINE BLUE

1) PHYSICAL DATA

		<u>STD</u>
1. Tack (Ink-o-meter) (32°C, 400 rpm, 1 Min.)		8.7 ±1.0
2. Flow (Spread-o-meter)(25°C, 1 Min) Reological Properties		34.0±1.0
3. Viscosity (Laray Viscometer)		230.0±30.0
4. L* a* b* Value (Chromo Meter CR 200 Minolta)	L*	45.00±1.00
	a*	-27.00±1.00
	b*	63.50±1.00
5. Color Strength (Gretag Macbeth 196 Densitometer)	Y	0.20±0.05
	M	0.60±0.05
	C	2.05±0.05
	V	0.95±0.05
6. Light Fastness		5
7. Alkali Resistance		5

* Light Fastness & Alkali Resistance : (strong) 5 – 3 – 1 (week)

2) Type of Dryness : Oxidation & Penetration

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June 9, 2015.

To whom it may concern :

TECHNICAL DATA SHEET

Product Name : NEW AS-HDN BLACK

1) PHYSICAL DATA

		<u>STD</u>
1. Tack (Ink-o-meter) (32°C, 400 rpm, 1 Min.)		8.0 ± 1.0
2. Flow (Spread-o-meter)(25°C, 1 Min) Reological Properties		35.0 ± 1.0
3. Viscosity (Laray Viscometer)		190.0 ± 30.0
4. L* a* b* Value (Chromo Meter CR 200 Minolta)	L*	31.50 ± 1.00
	a*	0.10 ± 1.00
	b*	1.00 ± 1.00
5. Color Strength (Gretag Macbeth 196 Densitometer)	Y	—
	M	—
	C	—
	V	2.50 ± 0.05
6. Light Fastness		5
7. Alkali Resistance		5

* Light Fastness & Alkali Resistance : (strong) 5 – 3 – 1 (week)

2) Type of Dryness : Oxidation & Penetration

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