JAYSYNTH



# Pigmeron Organic Pigment

**Jaysynth** is a leading and renowned company in Pigments, Pigment Dispersion, Dyestuffs and Digital Inks.

We have been recognized in catering innovative and consistent quality products in the market. In last five decades, we have been regularly serving new generation products to our esteemed customers.

Our products are being supplied to 45 countries around the globe in Paint, Ink, Plastic, Textile, Detergent & Rubber Industries.

Our policy is to serve **"Right Quality-Right Price"** products to the customers.

Our Commitment is to achieve **"Customers Satisfaction"** by providing the best of our services.



## Our Strength comprises of

- A Strong Research & Development laboratory equipped with the most modern apparatus. Our R & D team is expertise in particle size & distribution and surface treatment. They have made many customized products.

- Specialist in Manufacturing vast range of CPC Derivatives / Additives for Water and Solvent Borne Systems which controls Viscosity, Gloss, Heat Stability Rheology, Non Flocculation & Non Crystallization.

- Application & Technical Service Lab is equipped with Pilot scale facilities to test various End Applications

- Supply chain system is backed up with overseas offices and warehouses located in UK, USA and Brazil. In India, we operate through a network of agents as well as offices in major cities viz. Mumbai, Delhi, Ahmadabad and Tirupur.

# Physical Properties And Fastness

## Density

- Determined by CSN EN ISO 787-10: 1997 (67 0520) in g/cm3

## Bulking volume

- Denotes the volume of 1 kg of loosely poured pigment.

## Oil absorption

- It is the Number of grams of oil needed to bind 100 g of pigment into a coherent, putty-like paste.
- The amount greatly depends on the way the oil is incorporated.
- Consequently the test results can be very scattered.
- Value observed is only comparable if the same tester using the same Method in quick succession obtains them.
- The determination is carried out in accordance with ISO 787-5.

## Fastness to solvents

- Colouring of solvent after 24 h at 20 °C according to ISO grey scale is determined; degree 1 denote the lowest fastness, degree 5 the highest one

## Light fastness

- Based on standard DIN EN 105-B01, expressed by Blue Wool Scale grades 1-8

## Weathering fastness

- Based on Standard DIN EN 20105-A02, being tested with accelerated aging instrument Q-SUN for 1000 hours, expressed by Gray Wool Scale grades 1-5.

## Overspray fastness

- Assessment of bleeding into a white nitrocellulose combination lacquer for 60 min at 70 °C against ISO gray scale; by it degree 1 denotes the lowest fastness, degree 5 the highest one

## Heat resistance

- The value quoted indicate up to what temperature the pigments do not significantly alter; these are guide values which can be influenced by the binder used and the period of exposure to high temperature.

## Migration fastness

- Being tested in plasticized PVC by placing the pigmented sheet (0.2% pigments) in contact with a white-pigmented plasticized PVC sheet at 140°C for 2 hours.
- Based on standard ISO EN 20105 – A03, it is expressed by Gray Scale Card. Grade 5 on this scale denotes no migration onto the contacted material.

| Shade | | Product Name<br>C.I. Name<br>(C.I. Number) | Pigmeron Code | Description | Resistance to | | | | | | | | Light Fastness | | Heat Stability °C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mass Tone | Reduced Tone | | | | Acid (5% HCL) | Acid (5% NaOH) | Boiling Water | Ethanol | Xylene | Mineral Turpentine | Ethyl Acetate | Methyl Ethyl Ketone | Full Tone | Tint Tone | |
| | | Alpha Blue ABR<br>Blue 15.0<br>(74160) | I - 806<br>P - 806<br>M - 806<br>DT - 806 | Cu-Phthalocyanine<br>Cleaner, Brighter, Reddish Shade<br>Suitable for Water borne system | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 180 |
| | | Alpha Blue ABRN<br>Blue 15.0<br>(74160) | PT - 808<br>M - 808 | Cu-Phthalocyanine<br>Cleaner, Brighter, Slightly Greenish<br>High Tinctorial Value in Water borne system<br>Enhanced Pigment loading | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 220 |
| | | Alpha Blue AFP<br>Blue 15.1<br>(74160) | PI - 851 | Alpha Modified Cu-Phthalocyanine. Cleaner, Brighter, Reddish Shade. Highly Stable, Good Rheology, High Gloss & Flow Suitable for Solvent & Water borne system | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 230 |
| | | | M - 851 | Alpha Modified Cu-Phthalocyanine. Cleaner, Brighter, Reddish Shade, Heat Stable. | | | | | | | | | 8 | 8 | 280 |
| | | Alpha Blue AFP FG-PC<br>Blue 15.1<br>(74160) | P - 852<br>M - 852 | Alpha Modified Cu-Phthalocyanine<br>Good Dispersibility & Heat Stable<br>Non Flocculating, Soft Textured | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 300 |
| | | Alpha Blue AC<br>Blue 15.2<br>(74160) | P - 861 | Alpha Modified Cu-Phthalocyanine<br>Cleaner, Brighter, Reddish Shade Highly Stable,<br>Non Crystallizing & Non Flocculating<br>Excellent Light & Weather Fastness<br>Suitable for Water & Solvent borne system | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 230 |
| | | Beta Blue BFP<br>Blue 15.3<br>(74160) | I - 702<br>PT - 702<br>M - 702 | Beta Modified Cu-Phthalocyanine<br>Cleaner, Brighter, Cyan Shade | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 280 |
| | | Beta Blue BFP FG-PC<br>Blue 15.3<br>(74160) | P - 707<br>M - 707 | Beta Modified Cu-Phthalocyanine<br>Cleaner, Brighter, Turquoise/Cyan Shade<br>High Tinctorial Value, Suitable in Water<br>Borne System, Good Dispersibility | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 280 |
| | | Beta Blue BFW<br>Blue 15.3<br>(74160) | I - 703<br>PT - 703 | Beta Modified Cu-Phthalocyanine<br>Cleaner, Brighter, Cyan Shade,<br>High Tinctorial Value<br>Specific Grade for Water borne system | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 280 |
| | | Beta Blue BFLX<br>Blue 15.3<br>(74160) | I - 704<br>P - 704 | Beta Modified Cu-Phthalocyanine<br>Cleaner, Brighter, Cyan Shade<br>High Tinctorial Value,<br>Very High Gloss & Flow,<br>Specific grade for Solvent borne system | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 280 |
| | | Beta Blue BFLXNR<br>Blue 15.3<br>(74160) | I - 705-1 | Beta Modified Cu-Phthalocyanine. Cleaner, Brighter,<br>Reddish Blue Shade High Tinctorial Value,<br>Very High Gloss & Flow for Solvent Borne System | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 280 |
| | | Beta Blue BFLXNG<br>Blue 15.3<br>(74160) | I - 705-2 | Beta Modified Cu-Phthalocyanine. Cleaner, Brighter,<br>Greenish Blue Shade High Tinctorial Value,<br>Very High Gloss & Flow for Solvent Borne System | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 280 |
| | | Beta Blue BFLO<br>Blue 15.3<br>(74160) | I - 709 | Beta Modified Cu-Phthalocyanine. Cleaner, Brighter,<br>Cyan Shade. Good Dispersibility &<br>Specific grade for Offset Ink | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 280 |

| Ink | | | | | | | | | | | | | Paint | | | | | | | | | Plastic | | | | | Other | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paste Ink Offset | | | Liquid Gravure | | | | | | | Flexographic | | | Decorative | | Industrial | | | | Automotive | | | | | | | | | |
| | | | Packaging | | | | | | Publiction | Relief Printing | | | | | | | | | | | | | | | | | | |
| Cold Set | Sheet Feed | Heat Set | Nitrocellulose (NC) | Polyamide (PA) | Vinyl (VN) | Polyurethane (PU) | Nitrocellulose Polyamide | Nitrocellulose Polyurthene | Toluene | Water | Solvent | | Water Borne Acrylic Emulsion | Long Oil Alkyd | Short / Medium Oil Alkyd | Stoving Enamel | Amine cured | Acid cured | Isocyanate cured | Nitrocellulose | Stoving Paints | Water based | Powder Coating | PVC | Polyolefins (LDPE/ LLDPE / HDPE / PP ) | Fibre | Rubber / Eva Rubber | Textile | Detergent |
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Recommended : ● Potential use: ⊙

| Shade | | Product Name<br>C.I. Name<br>(C.I. Number) | Pigmeron Code | Description | Resistance to | | | | | | | | Light Fastness | | Heat Stability °C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mass Tone | Reduced Tone | | | | Acid (5% HCL) | Acid (5% NaOH) | Boiling Water | Ethanol | Xylene | Mineral Turpentine | Ethyl Acetate | Methyl Ethyl Ketone | Full Tone | Tint Tone | |
| | | Beta Blue BC<br>Blue 15.4<br>(74160) | I - 710<br>P - 710 | Beta Modified Cu-Phthalocyanine. Cleaner, Brighter, Turquoise Reddish Shade. Suitable for Water & Solvent borne system. Having better Gloss, Transparency. Highly Stable, Non Crystallizing & Non flocculating Excellent Light & Weather Fastness | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 280 |
| | | Beta Blue BCX<br>Blue 15.4<br>(74160) | I - 730 | Beta Modified Cu-Phthalocyanine<br>Cleaner, Brighter, Cyan Shade<br>Suitable for Water & Solvent borne system<br>Having Excellent Gloss & Transparency<br>Control Rheology in Higher Pigment loading. | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 280 |
| | | Beta Blue BCNG<br>Blue 15.4<br>(74160) | I - 750 | Beta Modified Cu-Phthalocyanine. Cleaner, Brighter, Cyan Greenish Blue Shade High Tinctorial Value, Very High Gloss & Flow for Solvent Borne System. Suitable for Resin & Solvent system | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 280 |
| | | Beta Blue GNB<br>Blue 15.4<br>(74160) | I - 770 | Beta Modified Cu-Phthalocyanine. Cleaner, Brighter, Cyan Greenish Blue Shade High Tinctorial Value, Very High Gloss & Flow for Solvent Borne System. Better performance than BCNG. | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 280 |
| | | Beta Blue GNC<br>Blue 15.4<br>(74160) | I - 780 | Beta Modified Cu-Phthalocyanine<br>Cleaner, Brighter, Cyan Shade<br>Suitable for Water & Solvent borne system<br>Having Excellent Gloss & Transparency<br>Control Rheology in Higher Pigment loading. | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 280 |
| | | Green GFP<br>Green 7<br>(74260) | I - 900<br>PT - 900<br>M - 900 | Chlorinated Cu-Phthalocyanine. Cleaner, Brighter, Suitable for Water, Solvent & Plastic | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 280 |
| | | Green GFP FG-PC (Yellower)<br>Green 7<br>(74260) | P - 901<br>M - 901 | Chlorinated Cu-Phthalocyanine. Cleaner, Brighter Yellow, Suitable for Water, Solvent & Plastic | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 300 |
| | | Green GFP-C<br>Green 7<br>(74260) | I - 902<br>PT - 902 | Chlorinated Cu-Phthalocyanine. Cleaner, Brighter, Suitable for Water born system | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 280 |
| | | Red E3B<br>Violet 19<br>(73900) | I - 507<br>P - 507 | Dioxazine Cleaner, Brighter, Bluish Shade. Specific grade for Solvent borne system with Excellent gloss, Transparency & Rheological properties Suitable for Water, Solvent & Plastic | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 200 |
| | | Violet RL<br>Violet 23<br>(51319) | PT - 504 | Dioxazine Cleaner, Brighter, Reddish Shade Suitable for Water | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 200 |
| | | Violet BL<br>Violet 23<br>(51319) | I - 505<br>PT - 505 | Dioxazine Cleaner, Brighter, Bluish Shade. Specific grade for Solvent borne system with Excellent gloss, Transparency & Rheological properties Suitable for Water, Solvent & Plastic | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 200 |
| | | Yellow G<br>Yellow 1<br>(11680) | PT - 201 | Diarylide Yellow. Strong & opaque Monoazo pigment. Having good light- and weather fastness properties. Easy to disperse and good stability to recrystallization. | 5 | 5 | 5 | 2-3 | 2-3 | | | 2-3 | 7-8 | 7-8 | 140 |

| Ink | | | | | | | | | | | | | Paint | | | | | | | | | | Plastic | | | | Other | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paste Ink Offset | | | Liquid Gravure | | | | | | | Flexographic | | | Decorative | | Industrial | | | | Automotive | | | | | | | | | |
| | | | Packaging | | | | | | Publiction | Relief Printing | | | | | | | | | | | | | | | | | | |
| Cold Set | Sheet Feed | Heat Set | Nitrocellulose (NC) | Polyamide (PA) | Vinyl (VN) | Polyurethane (PU) | Nitrocellulose Polyamide | Nitrocellulose Polyurthene | Toluene | Water | Solvent | | Water Borne Acrylic Emulsion | Long Oil Alkyd | Short / Medium Oil Alkyd | Stoving Enamel | Amine cured | Acid cured | Isocyanate cured | Nitrocellulose | Stoving Paints | Water based | Powder Coating | PVC | Polyolefins (LDPE/ LLDPE / HDPE / PP ) | Fibre | Rubber / Eva Rubber | Textile | Detergent |
| | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | |
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Recommended : ● Potential use: ◉

| Shade | | Product Name<br>C.I. Name<br>(C.I. Number) | Pigmeron Code | Description | Resistance to | | | | | | | | Light Fastness | | Heat Stability °C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mass Tone | Reduced Tone | | | | Acid (5% HCL) | Acid (5% NaOH) | Boiling Water | Ethanol | Xylene | Mineral Turpentine | Ethyl Acetate | Methyl Ethyl Ketone | Full Tone | Tint Tone | |
| | | Yellow 10G<br>Yellow 3<br>(11710) | PT - 202 | Dioxazine Cleaner, Brighter, Bluish Shade.<br>Specific grade for Solvent borne system with<br>Excellent gloss, Transparency & Rheological properties<br>Suitable for Water, Solvent & Plastic | 5 | 5 | 5 | | 2 | | | 2 | 7-8 | 7-8 | 140 |
| | | Yellow DHG<br>Yellow 12<br>(21090) | I - 203 (Op)<br>IT -203 (Tr)<br>M - 203 | Diarylide Yellow,<br>Medium Opaque with Good Flow in<br>Sheet Fed Litho Inks | 5 | 5 | 5 | 4 | 3 | 4 | 3 | 3 | 5 | 3 | 170 |
| | | Yellow GR<br>Yellow 13<br>(21100) | I - 204<br>M - 204 | Disazopyrazolone<br>Transparent, Glossy with<br>Good Rheology | 5 | 5 | 5 | 4 | 3 | 5 | 4 | 4 | 7 | 6 | 200 |
| | | Yellow PG<br>Yellow 14<br>(21095) | I - 205<br>T - 205 | Diarylide Yellow<br>Slightly Greenish Shade<br>Transparent, Glossy with Good Rheology<br>Recommended for Water &<br>Solvent borne system | 4 | 4 | 5 | 5 | 3 | 5 | 5 | 3 | 5 | 3 | 220 |
| | | Yellow GG-ID<br>Yellow 17<br>(21105) | M - 206 | Diarylide Yellow<br>Greenish yellow pigment. Transparent & Clean.<br>Good fastness properties and<br>moderate Rheological properties. | 5 | 5 | | | | | | | 6-7 | 5-6 | 220 |
| | | Yellow 2GX<br>Yellow 74<br>(11741) | I - 207<br>PT - 207 | Arylide Yellow<br>Good Fastness to Light & Weather.<br>Good Rheological properties<br>Opaque Yellow shade for Lead free Paints | 5 | 5 | 5 | | 3 | | | 3 | 7-8 | 7-8 | 140 |
| | | Yellow 5GX<br>Yellow 74<br>(11741) | PT - 208<br>M - 208 | Arylide Yellow<br>Greenish Yellow Shade<br>Good Fastness Properties<br>Excellent Tinctorial Strength | 5 | 5 | 5 | 4 | 3 | 5 | 4 | 4 | 8 | 8 | 280 |
| | | Yellow HR<br>Yellow 83<br>(21108) | I - 213<br>PT - 213<br>M - 213 | Diarylide Yellow<br>Reddish Yellow Shade<br>Suitable for Solvent borne system | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 7 | 6 | 200 |
| | | Yellow R<br>Yellow 138<br>(56300) | P - 212<br>M - 212 | Quinophthalone<br>Greenish Yellow Shade<br>Good Dispersibility, Good Heat Stability | 5 | 2 | 5 | 4-5 | 5 | 5 | 5 | 4-5 | 7-8 | 7-8 | 280 |
| | | Yellow 2R<br>Yellow 139<br>(56298) | P - 214<br>M - 214 | Isoindoline<br>Reddish Yellow Shade<br>Good Migration Fastness | 5 | 2 | 5 | 4-5 | 5 | 5 | 5 | 4-5 | 7-8 | 7-8 | 280 |
| | | Yellow H4G<br>Yellow 151<br>(13980) | PT - 215 | Benzimidazolone<br>Clean Greenish Yellow Shade<br>Good opacity & Flow<br>Excellent Light Fastness | 5 | 3 | 5 | 4-5 | 4-5 | 5 | 4-5 | 4-5 | 7-8 | 7-8 | 280 |
| | | Yellow H3G<br>Yellow 154<br>(11781) | PT - 216 | Benzimidazolone<br>Medium Yellow Shade. Excellent Light Fastness<br>Very High Tinting Strength. Good Overspray Fastness | 5 | 5 | 5 | | 5 | | | 3-4 | 8 | 8 | 160 |

| Ink | | | | | | | | | | | | | Paint | | | | | | | | | | Plastic | | | | | Other | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paste Ink Offset | | | Liquid Gravure | | | | | | | Flexographic | | | Decorative | | Industrial | | | | Automotive | | | | | | | | | | |
| | | | Packaging | | | | | | Publiction | Relief Printing | | | | | | | | | | | | | | | | | | | |
| Cold Set | Sheet Feed | Heat Set | Nitrocellulose (NC) | Polyamide (PA) | Vinyl (VN) | Polyurethane (PU) | Nitrocellulose Polyamide | Nitrocellulose Polyurthene | Toluene | Water | Solvent | | Water Borne Acrylic Emulsion | Long Oil Alkyd | Short / Medium Oil Alkyd | Stoving Enamel | Amine cured | Acid cured | Isocyanate cured | Nitrocellulose | Stoving Paints | Water based | Powder Coating | PVC | Polyolefins (LDPE/ LLDPE / HDPE / PP ) | Fibre | Rubber / Eva Rubber | Textile | Detergent |
| | | | | | | | | | | | | | ● | ● | | | | ● | | | | | | | | | | ● | ● |
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Recommended : ● Potential use: ◉

| Shade | | Product Name<br>C.I. Name<br>(C.I. Number) | Pigmeron Code | Description | Resistance to | | | | | | | | Light Fastness | | Heat Stability °C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mass Tone | Reduced Tone | | | | Acid (5% HCL) | Acid (5% NaOH) | Boiling Water | Ethanol | Xylene | Mineral Turpentine | Ethyl Acetate | Methyl Ethyl Ketone | Full Tone | Tint Tone | |
| | | Orange Red GG<br>Orange 5<br>(12075) | PI - 301<br>M - 301 | Disazopyrazolone<br>Opaque Yellow Shade.<br>Good light & weather fastness properties. | 5 | 5 | 5 | | 2 | | | 2 | 5 | 4 | 160 |
| | | Orange G<br>Orange 13<br>(21110) | PT - 302<br>M - 302 | Disazopyrazolone<br>High Tinctorial Strength<br>Recommended for Water &<br>Solvent Borne system | 5 | 4 | 5 | 4 | 3 | 4 | 4 | 4 | 6 | 6 | 200 |
| | | Orange RL<br>Orange 34<br>(21115) | PT - 303 | Disazopyrazolone<br>High Tinctorial Strength<br>Recommended for Water &<br>Solvent Borne system | 5 | 5 | 5 | | | | | | 7 | 5 | 200 |
| | | Red FRR<br>Red 2<br>(12310) | PT - 401 | Naphthol<br>Yellowish shade, Semi transparent.<br>Excellent acid- and alkali fastness properties | 5 | 5 | 5 | 5 | | | 3 | | 7 | 4 | 150 |
| | | Red B<br>Red 3<br>(12120) | P - 402 | Monoazo Red - Beta Napthol<br>Yellower tone, Bright Toluedene Red,<br>High Opacity and Colour Strength<br>Good Light Fastness and Weather Fastness | 5 | 4 | 5 | 3 | 3 | 3 | 2 | 2 | 8 | 8 | 280 |
| | | Red F4R<br>Red 8<br>(12335) | PT - 403 | Monoazo Red - Beta Napthol<br>Yellower tone, Bright Strength<br>Good Light Fastness and Weather Fastness | 4 | 4 | 5 | | | | | | 6 | 6 | 150 |
| | | Red F2R<br>Red 12<br>(12385) | PT - 404 | Monoazo Red - Beta Napthol<br>Yellower tone, Bright Strength<br>Good Light Fastness and Weather Fastness | 4 | 4 | 5 | | | | | | 6 | 7 | 150 |
| | | Red 2A<br>Red 48:1<br>(15865:1) | I - 411<br>M - 411 | Lake Pigment of ß-Naphthol Class<br>Transparent, Clean, Bright &<br>Warm Yellower Red Shade<br>Good Light Fastness & Colour Strength | 2 | 5 | 5 | 3 | 2 | 4 | 3 | 3 | 8 | 8 | 280 |
| | | Red 2B<br>Red 48:2<br>(12865:2) | I - 412<br>P - 412<br>M - 412 | Lake Pigment of ß-Naphthol Class<br>Bluish Red Shade,<br>High Colour Strength & Flow,<br>Good Dispersibility | 2 | 2 | 5 | 5 | 4 | 5 | 5 | 4 | 8 | 8 | 280 |
| | | Red RLP<br>Red 48:3<br>(15865:3) | I - 432<br>M - 432 | Lake Pigment of ß-Naphthol class<br>Brighter Red Pigment,<br>High Colour Strength &<br>Flow, Good Dispersibility | 5 | 5 | 5 | 3 | 2 | 4 | 3 | 3 | 8 | 8 | 280 |
| | | Red BLS<br>Red 48:4<br>(15865:4) | P - 442 | Monoazo Pigment - Manganese salt<br>Brighter Mass Tone, Deep Bluish<br>Red Shade, Good Solvent ,<br>Light & Weather Fastness | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 8 | 8 | 280 |
| | | Lake Red C<br>Red 53:1<br>(15585:1) | I - 418<br>M - 418 | Barium Lake<br>Scarlet Shade<br>Suitable for Water &<br>Solvent borne system | 2 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 8 | 8 | 280 |

| Ink | | | | | | | | | | | | | Paint | | | | | | | | | | Plastic | | | | | Other | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paste Ink Offset | | | Liquid Gravure | | | | | | | Flexographic | | | Decorative | | Industrial | | | | Automotive | | | | | | | | | | |
| | | | Packaging | | | | | | Publiction | Relief Printing | | | | | | | | | | | | | | | | | | | |
| Cold Set | Sheet Feed | Heat Set | Nitrocellulose (NC) | Polyamide (PA) | Vinyl (VN) | Polyurethane (PU) | Nitrocellulose Polyamide | Nitrocellulose Polyurthene | Toluene | Water | Solvent | | Water Borne Acrylic Emulsion | Long Oil Alkyd | Short / Medium Oil Alkyd | Stoving Enamel | Amine cured | Acid cured | Isocyanate cured | Nitrocellulose | Stoving Paints | Water based | Powder Coating | PVC | Polyolefins (LDPE/ LLDPE / HDPE / PP ) | Fibre | Rubber / Eva Rubber | Textile | Detergent |
| ● | ● | ● | ● | ● | ● | ● | ● | ● | ⦿ | ● | | | ● | ● | ● | ● | | | | | | | | | | | ● | ● |
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| ● | ● | | | | | | | | | ● | | | ● | ● | | | | | | | | | | | | | | ● | ● |
| ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | ● | ● | | ● | | |
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| ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | ● | ● | | ● | | |
| | | | | | | | | | | | | | | | | | | | | | | | | ● | ● | | ● | | |
| ● | ● | ● | ● | ● | ● | ● | ● | ● | ⦿ | ● | ● | | | | | | | | | | | | | | | | | | |
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Recommended : ● Potential use: ⦿

| Shade | | Product Name<br>C.I. Name<br>(C.I. Number) | Pigmeron Code | Description | Resistance to | | | | | | | | Light Fastness | | Heat Stability °C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mass Tone | Reduced Tone | | | | Acid (5% HCL) | Acid (5% NaOH) | Boiling Water | Ethanol | Xylene | Mineral Turpentine | Ethyl Acetate | Methyl Ethyl Ketone | Full Tone | Tint Tone | |
| | | Rubine L<br>Red 57:1<br>(15850:1) | I - 419<br>P - 419<br>M - 419 | Lake Pigment of ß-Naphthol class<br>Bluish Red Shade<br>with High Tinctorial Strength<br>Suitable for Solvent borne system | 2 | 3 | 5 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 280 |
| | | Red FGR<br>Red 112<br>(12370) | PT - 421 | Naphthol AS<br>Similar to Signal Red Shade<br>Good Light Fastness | 5 | 3 | 5 | 4 | 3 | 4 | 4 | 3 | 8 | 8 | 280 |
| | | Pink E<br>Red 122<br>(73915) | I - 422<br>PT - 422<br>M - 422 | Quinacridone<br>Clean Bluish Red Shade<br>Good Heat Stability<br>Suitable for Solvent borne system | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 3 | 8 | 8 | 280 |
| | | Red FBB 02<br>Red 146<br>(12485) | T - 423<br>I - 423 | Naphthol AS<br>Bluish Red Shade<br>Tinctorial Strength & Gloss<br>Excellent Light Fastness Properties | 5 | 5 | 5 | 4-5 | | 5 | 4-5 | | 5 | 6 | 180 |
| | | Red Scarlet R<br>R166<br>(20730) | PT - 424<br>I - 424 | Yellowish transparent<br>Reddish Shade<br>Excellent Heat Stability & Fastness Properties | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 8 | 8 | 280 |
| | | Red F3RK<br>Red 170<br>(12475) | PT - 425<br>I - 425 | Naphthol AS<br>Reddish Blue Shade<br>Excellent Fastness Properties | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 8 | 8 | 280 |
| | | Red F5RK<br>Red 170<br>(12475) | PT - 426<br>I - 426 | Naphthol AS<br>Bright Bluish Red Pigment,<br>Good Solvent Fastness & Opacity | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 8 | 8 | 280 |
| | | Red P-FK<br>Red 210<br>(12477) | I - 427<br>T - 427 | Naphthol AS<br>Low specific conductivity.<br>High Gloss & Transparency<br>Very good Rheological fastness properties. | 5 | 5 | 5 | 4-5 | | | 4-5 | | 5 | 6 | 200 |
| | | DPP Red BOC<br>Red 254 (56110) | PT - 429<br>I - 429<br>M - 429 | Diketo - Pyrrole - Pyrrole<br>Brilliant Yellowish Red Shade<br>Excellent Weather Fastness | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 280 |

| Ink | | | | | | | | | | | | | Paint | | | | | | | | | | Plastic | | | | | Other | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paste Ink Offset | | | Liquid Gravure | | | | | | | | Flexographic | | Decorative | | Industrial | | | | Automotive | | | | | | | | | | |
| | | | Packaging | | | | | | | Publiction | Relief Printing | | | | | | | | | | | | | | | | | | |
| Cold Set | Sheet Feed | Heat Set | Nitrocellulose (NC) | Polyamide (PA) | Vinyl (VN) | Polyurethane (PU) | Nitrocellulose Polyamide | Nitrocellulose Polyurthene | Toluene | Water | Solvent | Water Borne Acrylic Emulsion | Long Oil Alkyd | Short / Medium Oil Alkyd | Stoving Enamel | Amine cured | Acid cured | Isocyanate cured | Nitrocellulose | Stoving Paints | Water based | Powder Coating | PVC | Polyolefins ( LDPE/ LLDPE / HDPE / PP ) | Fibre | Rubber / Eva Rubber | Textile | Detergent |
| ● | ● | ● | ● | ● | ● | ● | ● | ● | | ● | ● | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | ● | | | | | | | | | | | | | | | | ● | ● |
| ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | | |
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Recommended : ● Potential use: ⦿

# Packing & Palletization

## Bag Packing

- 20/25 kgs HDPE or Paper bag packing
- Dimenssion of 2 Layers LDPE transperent bags: 28" x 38" x 300 gauge
- LDPE bags will be kept in HDPE bags: 24" x 33"




**HDPE Bag**




**Paper Bag**



**Euro II type Plastic Pallet**

## Palletization

- 25 bags of 20 kgs each Pigment Blues will make a pallet of 500 kgs.
- 24 bags of 25 kgs each Pigment Green 7 will make pallet size of 600 kgs.
- 20 bags of 25 kgs Pigment Violet 23 and Red 122 will make pallet size of 500 kgs.
- Highly stripped 3 lines from both the sides
- shrinked-wrapped from all sides

## Container Stuffing

- 20 Feet: 20 Pallets either 500 or 600 kgs each can be kept i.e. 10,000 to 12,000 kgs container load
- 40 Feet: 40 Pallets either 500 or 600 kgs each can be kept i.e. 20,000 to 24,000 kgs container load.



# Compliance, Awards & Eco Certificate

## Ecological and Regulatory Information

Pigmeron pigments are regularly monitored and tested for the prohibited PCB (PolyChlorinated Biphenyl) Congeners, Heavy Metal, DIOXINS and BENZOFURANS. They comply with all major international regulations for coloration of consumer goods, toys and food contact products.

All our Pigmeron complies with or are listed within the following regulations and ordinances.

- European standard EN – 71 -3
- EU Resolution AP(89)/1/EC
- Regulation (EU)No 1169/2011
- FDA 21 CFR 178.3297
- ETAD and NOTA/RID Guidelines for PCB. PHDD and PHDF limits
- ETAD Limits for free iron.
- Regulation (EC) N 1907/2006









**Star Export House**

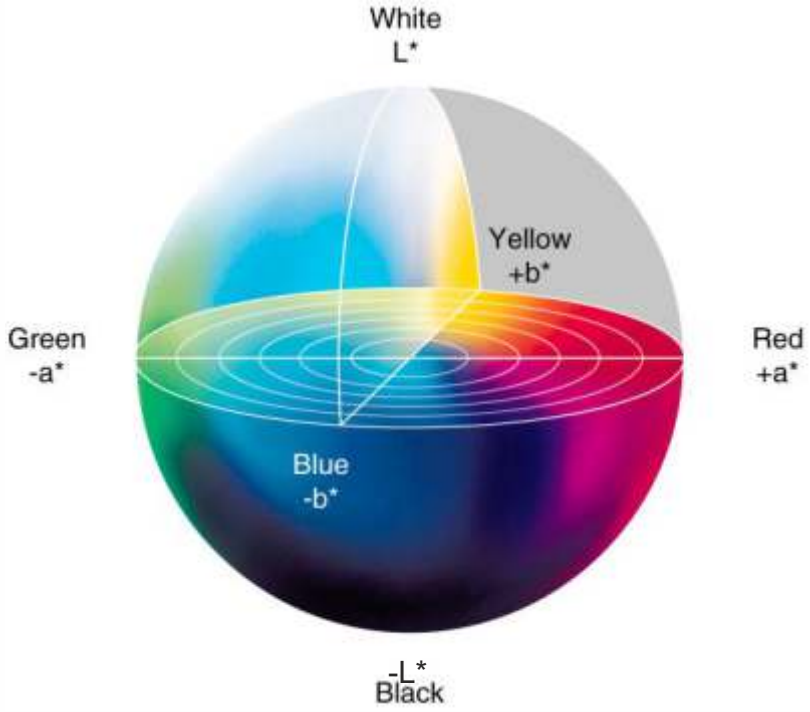
**I.S.O Certificate (9001- 2015)**

**Reach Certificate**

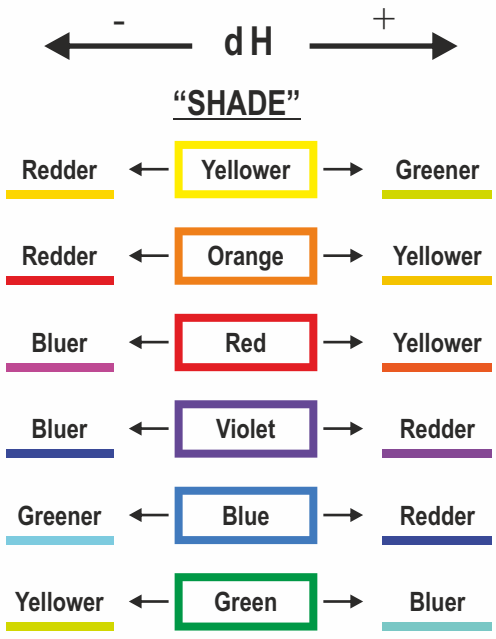
**FDA compliance**

**Indian Customs**

REACH : Our Products are REACH registered under our JAYSYNTH ( Europe) Ltd.Office.
The Company UUID : ECHA-23529368-df2f-467a-97f7-b792e1bea86e




## CIElab - Visual




H = Hue and C = Chroma
L* = Lightness
a* = red / green – Colourfulness
b* = yellow / blue – Colourfulness
ΔC* = Chroma Difference
ΔH* = Hue Difference
ΔL* = Light Difference

$$\Delta H^* = \sqrt{(\Delta a^*)^2 + (\Delta b^*)^2 - (\Delta C^*)^2}$$

Darker ← dL (+) → lighter/cleaner

Duller ← dC (+) → brighter/cleaner

$$\Delta E^* = \sqrt{(\Delta L^*)^2 + (\Delta a^*)^2 + (\Delta b^*)^2}$$

$$\Delta E^* = \sqrt{(\Delta L^*)^2 + (\Delta H^*)^2 + (\Delta C^*)^2}$$

JAYSYNTH

**JAYSYNTH DYESTUFF (INDIA) LTD.**
301, Sumer Kendra Pandurang Budhakar Marg, Worli, Mumbai - 400 018. INDIA
Tel.: +91 - 22 - 4938 4200/300 • Fax: +91 - 22 - 3042 3433 / 34 •
pigment@jaysynth.com • www.jaysynth.com

**JAYSYNTH (EUROPE) LTD.**
Europa Business Park,Building 67, Unit F 15. Birdhall Lane, Cheadle, Stockport SK3 OXA, U.K
Tel.: 0044 161 428 0906 • Fax: 0044 161 428 0907 • jel@jaysynth.com

**DISCLAIMER STATEMENT**
The colours shown in the shade card are for reference only and may not match with the actual shade. Kindly refer the actual sample before usage.The information contained herein is provided in good faith but without warranty. It is the responsibility of the user to test our products as to their suitability for any application, use or processing. No statement is intended or should be construed as a recommendation to infringe any patent and the responsibility to observe any such patent right rests with the user. (WITHOUT GUARANTEE).