



Loyal Chemical

HANGZHOU LOYAL CHEMICAL TECHNOLOGY CO., LTD.

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TECHNICAL DATA SHEET

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|--|---|
| PRODUCT NAME | LOYAL ORANGE GR-P |
| CHEMICAL NATURE | PHENANTHROLINE |
| CHEMICAL FORMULAR | C ₂₆ H ₁₂ N ₄ O ₂ |
| COLOR INDEX NAME | PIGMENT ORANGE 43(71105) |
| CAS NO. | 4424-06-0 |
| STRENGTH | 100±2% |
| <u>PHYSICAL PROPERTIES</u> | |
| PH AQUEOUS EXTRACT | 6.0-7.0 |
| RESIDUE ON SIEVE (100 um) | ≤3.0% |
| WATER SOLUBLE MATTER | ≤1.0% |
| SOLUBLE IN WATER | INSOLUBLE |
| ODOUR | NONE |
| PHYSICAL FORM | DRY ORANGE POWDER |
| SPECIFIC GRAVITY | 1.55g/cm ³ |
| OIL ABSORPTION | ≤96g/100g |
| VOLATILE AT 105°C | <3.0% |
| <u>FASTNESS PROPERTIES</u> | |
| LIGHT FASTNESS | 8 |
| HEAT FASTNESS | 270°C |
| WATER RESISTANCE | 5 |
| OIL RESISTANCE | 5 |
| ACID RESISTANCE | 5 |
| ALKALI RESISTANCE | 5 |
| <u>TECHNICAL PROPERTIES</u> | |
| Reddish shade, high transparent. | |
| <u>APPLICATION</u> | |
| It's mainly used for plastic. | |
| <u>NOTE</u> | |
| The above information is provided as guidelines for your reference only. The accurate effects should be based on the test results in laboratory. | |