



Loyal Chemical

HANGZHOU LOYAL CHEMICAL TECHNOLOGY CO., LTD.

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TECHNICAL DATA SHEET

PRODUCT NAME	LOYAL ORANGE GR-C
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	230°C
WATER RESISTANCE	5
OIL RESISTANCE	5
ACID RESISTANCE	5
ALKALI RESISTANCE	5
<u>TECHNICAL PROPERTIES</u>	
Reddish shade, transparent.	
<u>APPLICATION</u>	
It's mainly used for printing ink, paint. Suggested 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.	