



Loyal Chemical

HANGZHOU LOYAL CHEMICAL TECHNOLOGY CO., LTD.

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TECHNICAL DATA SHEET

PRODUCT NAME	PERMANENT ORANGE 2G
CHEMICAL NATURE	MONOAZO
CHEMICAL FORMULAR	C ₁₆ H ₁₀ N ₄ O ₅
COLOR INDEX NAME	PIGMENT ORANGE 5 (12075)
CAS NO.	3468-63-1
STRENGTH	100±2%
<u>PHYSICAL PROPERTIES</u>	
PH AQUEOUS EXTRACT	5.0-6.0
RESIDUE ON SIEVE (100 um)	≤3.0%
WATER SOLUBLE MATTER	≤2.5%
SOLUBLE IN WATER	INSOLUBLE
ODOUR	NONE
PHYSICAL FORM	DRY ORANGE POWDER
SPECIFIC GRAVITY	1.55g/cm ³
OIL ABSORPTION	≤45g/100g
VOLATILE AT 105°C	<3.0%
<u>FASTNESS PROPERTIES</u>	
LIGHT FASTNESS	7
HEAT FASTNESS	150°C
WATER RESISTANCE	4
OIL RESISTANCE	4
ACID RESISTANCE	4
ALKALI RESISTANCE	4
<u>TECHNICAL PROPERTIES</u>	
Reddish shade, semi-transparent, high tinting strength.	
<u>APPLICATION</u>	
It's mainly used for industrial paint, decorative paint, coil coating, textile printing and water-based inks.	
Suggested for offset ink, PA ink, NC ink, PP ink.	
<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.	