



Loyal Chemical

HANGZHOU LOYAL CHEMICAL TECHNOLOGY CO., LTD.

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TECHNICAL DATA SHEET

PRODUCT NAME	LOYAL VERMILION R
CHEMICAL NATURE	MONOAZO
CHEMICAL FORMULAR	C ₁₆ H ₁₀ CIN ₃ O ₃
COLOR INDEX NAME	PIGMENT RED 4(12085)
CAS NO.	2814-77-9
STRENGTH	100±2%
<u>PHYSICAL PROPERTIES</u>	
PH AQUEOUS EXTRACT	5.5-7.5
RESIDUE ON SIEVE (100 um)	≤3.0%
WATER SOLUBLE MATTER	≤2.0%
SOLUBLE IN WATER	INSOLUBLE
ODOUR	NONE
PHYSICAL FORM	DRY RED POWDER
SPECIFIC GRAVITY	1.50g/cm ³
OIL ABSORPTION	≤45g/100g
VOLATILE AT 105°C	<3.0%
<u>FASTNESS PROPERTIES</u>	
LIGHT FASTNESS	7
HEAT FASTNESS	160°C
WATER RESISTANCE	5
OIL RESISTANCE	3
ACID RESISTANCE	4
ALKALI RESISTANCE	4
<u>TECHNICAL PROPERTIES</u>	
Yellowish shade, high glossy, high transparent, high tinting strength, low viscosity.	
<u>APPLICATION</u>	
It's mainly used for textile printing, water based ink. Suggested for water based decorative paint.	
<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.	