



Loyal Chemical

HANGZHOU LOYAL CHEMICAL TECHNOLOGY CO., LTD.

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TECHNICAL DATA SHEET

PRODUCT NAME	PERMANENT YELLOW GR-W
CHEMICAL NATURE	DISAZO
CHEMICAL FORMULAR	$C_{36}H_{34}Cl_2N_6O_4$
COLOR INDEX NAME	PIGMENT YELLOW 13 (21100)
CAS NO.	5102-83-0
STRENGTH	100 \pm 2%
<u>PHYSICAL PROPERTIES</u>	
PH AQUEOUS EXTRACT	6.0-7.0
RESIDUE ON SIEVE (100 μ m)	\leq 3.0%
WATER SOLUBLE MATTER	\leq 2.0%
SOLUBLE IN WATER	INSOLUBLE
ODOUR	NONE
PHYSICAL FORM	DRY YELLOW POWDER
SPECIFIC GRAVITY	1.40g/cm ³
OIL ABSORPTION	\leq 45g/100g
VOLATILE AT 105 $^{\circ}$ C	$<$ 3.0%
<u>FASTNESS PROPERTIES</u>	
LIGHT FASTNESS	5
HEAT FASTNESS	160 $^{\circ}$ C
WATER RESISTANCE	5
OIL RESISTANCE	4
ACID RESISTANCE	5
ALKALI RESISTANCE	5
<u>TECHNICAL PROPERTIES</u>	
Reddish shade, semi-transparent.	
<u>APPLICATION</u>	
It's mainly used for water-based ink, textile printing. Suggested for general use.	
<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.	