



Loyal Chemical

HANGZHOU LOYAL CHEMICAL TECHNOLOGY CO., LTD.

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TECHNICAL DATA SHEET

PRODUCT NAME	LOYAL CARMINE HF3C
CHEMICAL NATURE	BENZIMIDAZOLONE
CHEMICAL FORMULAR	C ₃₂ H ₂₄ N ₆ O ₅
COLOR INDEX NAME	PIGMENT RED 176 (12515)
CAS NO.	12225-06-8
STRENGTH	100±2%
<u>PHYSICAL PROPERTIES</u>	
PH AQUEOUS EXTRACT	5.0-6.0
RESIDUE ON SIEVE (100 um)	≤3.0%
WATER SOLUBLE MATTER	≤2.0%
SOLUBLE IN WATER	INSOLUBLE
ODOUR	NONE
PHYSICAL FORM	DRY RED POWDER
SPECIFIC GRAVITY	1.45g/cm ³
OIL ABSORPTION	≤45g/100g
VOLATILE AT 105°C	<3.0%
<u>FASTNESS PROPERTIES</u>	
LIGHT FASTNESS	7
HEAT FASTNESS	280°C
WATER RESISTANCE	5
OIL RESISTANCE	5
ACID RESISTANCE	5
ALKALI RESISTANCE	5
<u>TECHNICAL PROPERTIES</u>	
Bluish shade, high heat resistance, high transparent, good migration resistance.	
<u>APPLICATION</u>	
It's mainly used for plastic, inks, paint and textile printing.	
<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.	