



Loyal Chemical

# HANGZHOU LOYAL CHEMICAL TECHNOLOGY CO., LTD.

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## TECHNICAL DATA SHEET

PRODUCT NAME	LOYAL ORANGE GP
CHEMICAL NATURE	BENZIMIDAZOLONE
CHEMICAL FORMULAR	C <sub>12</sub> H <sub>10</sub> N <sub>6</sub> O <sub>4</sub>
COLOR INDEX NAME	PIGMENT ORANGE 64 (12760)
CAS NO.	72102-84-2
STRENGTH	100±2%
<b><u>PHYSICAL PROPERTIES</u></b>	
PH AQUEOUS EXTRACT	6.0-7.0
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	1.59g/cm <sup>3</sup>
OIL ABSORPTION	≤60g/100g
VOLATILE AT 105°C	<3.0%
<b><u>FASTNESS PROPERTIES</u></b>	
LIGHT FASTNESS	8
HEAT FASTNESS	200°C
WATER RESISTANCE	5
OIL RESISTANCE	5
ACID RESISTANCE	5
ALKALI RESISTANCE	5
<b><u>TECHNICAL PROPERTIES</u></b>	
<b>Reddish shade, easy dispersing, good heat resistance, good migration resistance.</b>	
<b><u>APPLICATION</u></b>	
<b>It's mainly used for ink, paint, coating and plastic.</b>	
<b><u>NOTE</u></b>	
The above information is provided as guidelines for your reference only. The accurate effects should be based on the test results in laboratory.	