



Loyal Chemical

# HANGZHOU LOYAL CHEMICAL TECHNOLOGY CO., LTD.

Plant: Linjiang Industrial Park Xiaoshan District Hangzhou China

Office: 403, A Block, Nice Hi-Tech Park, 1117-2, Youyi Road, Guali Town, Xiaoshan, Hangzhou, China

Tel: +86 (0571) 82551299

Fax: +86 (0571) 82522228

## TECHNICAL DATA SHEET

|  |  |
|--|--|
| PRODUCT NAME   | PHTHALO BLUE                                     |
| CHEMICAL NATURE  | PHTHALOCYANINE                                   |
| CHEMICAL FORMULAR  | C <sub>32</sub> H <sub>16</sub> CuN <sub>8</sub> |
| COLOR INDEX NAME   | PIGMENT BLUE 15:1 (74160) NC α-FORM              |
| CAS NO.  | 12239-87-1                                       |
| STRENGTH   | 100±2%   |
| <b><u>PHYSICAL PROPERTIES</u></b>  |  |
| PH AQUEOUS EXTRACT   | 6.0-9.0  |
| RESIDUE ON SIEVE (100 um)  | ≤3.0%  |
| WATER SOLUBLE MATTER   | ≤2.0%  |
| SOLUBLE IN WATER   | INSOLUBLE  |
| ODOUR  | NONE   |
| PHYSICAL FORM  | DRY BLUE POWDER                                  |
| SPECIFIC GRAVITY   | 1.65g/cm <sup>3</sup>                            |
| OIL ABSORPTION   | ≤80g/100g  |
| VOLATILE AT 105°C  | <3.0%  |
| <b><u>FASTNESS PROPERTIES</u></b>  |  |
| LIGHT FASTNESS   | 7  |
| HEAT FASTNESS  | 250°C  |
| WATER RESISTANCE   | 5  |
| OIL RESISTANCE   | 5  |
| ACID RESISTANCE  | 5  |
| ALKALI RESISTANCE  | 5  |
| <b><u>TECHNICAL PROPERTIES</u></b>   |  |
| <b>Reddish shade, high solvent resistance, high light fastness.</b>  |  |
| <b><u>APPLICATION</u></b>  |  |
| <b>It's mainly used for PE, industrial paint, decorative paint, coil coating and textile printing. Suggested for PVC, water based ink, OEM paint and powder coating.</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.                         |  |