



QINGDAO SANHUAN COLORCHEM CO., LTD.

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TECHNICAL DATA SHEET

Pigment Orange 5

1. Product Name

Trade Name:Permanent Orange RN

C.I.: Pigment Orange 5

C.I. No. 12075

CAS No. 3468-63-1

Molecular Formula: C₁₆H₁₀N₄O₅

Formula Weight: 338.27

Chemical Group Naphthol

2. Physical, Chemical and Resistance Properties

Appearance: Orange Powder

Shade: Similar to Standard

Tinting Strength:100%

Bulk Density(lb/gal): 12.2-16.0

Moisture:≤1.5

Oil Absorption (ml/100g): 35±5

Fineness(80 Mesh): ≤5.0

PH Value: 3.5-7.0

Water Soluble Matter (%) ≤1.5

Electric Conductivity (us/cm) ≤500

Acid Resistance: 5

Alkali Resistance: 5

Water Resistance: 5

Oil Resistance: 5

Alcohol Resistance: 4

Ester Resistance: 4

Benzene Resistance: 4

Ketone Resistance: 4

Soap Resistance: 4

Bleeding Resistance: 4

Migration Resistance -

Heat Resistance (°C) 160



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Light Fastness (8=excellent) 7

3. Application

Application: water-base coating, solvent-base coating, water-base ink.

Recommended Application: Printing, solvent-base ink,offset ink

4. Packing

Packed in 25kgs Bag with Pallet.