



**QINGDAO SANHUAN COLORCHEM CO., LTD.**

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## **TECHNICAL DATA SHEET**

### **Direct Brown 1**

#### **1. Product Name**

C.I. No.: DIRECT BROWN 1

CAS Number: 3811-71-0

Chemical Formula: C<sub>31</sub>H<sub>22</sub>N<sub>8</sub>Na<sub>2</sub>O<sub>6</sub>S

Molecular Weight: 680.60

#### **2. Physical, Chemical and Resistance Properties**

Appearance: Brown Powder

Shade: Similar to Standard

Tinting strength(%): 100±3

insolubility in water(%): ≤1

Moisture(%): ≤4

Residue on sieve (80 mesh) % : ≤5

The dyeing fastness in cotton fabric (Grade) :

Light Fastness: 3

Soaping Fastness Fading: 3

Soaping Fastness Staining: 2

Water Logging Fastness Fading: 4

Water Logging Fastness Staining: 3

Ironing Fastness: 3~4

Perspiration Fastness Fading: 2~3

Perspiration Fastness Staining: 3~4

Dry Rubbing Fastness: 3~4

Wet Rubbing Fastness: 2

Sulphuric Acid Resistance: 1~2

Acetic Acid Resistance: 2~3

Sodium Carbonate Resistance: 2~3

#### **3. Application**

Dyeing for Cellulose Fiber, Cotton, Silk and Chinlon.

Coloring for Leathers and Papers.

#### **4. Package**



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Packed in 25kgs Bag/Carton/Iron drum