# Specification

*Version 07*

**Code No. 49810**  
**Naphthol Blue-Black 6B**

**CAS No.** 1064-48-8  
**EEC No.** 213-903-1

**Chemical Name**  
8-Amino-7-(4-nitrophenyl)azo-2-phenylazo-1-naphthol-3,6-disulfonic acid disodium salt  
Acid Black 1 C.I. 20470, Amido Black 10B, Black 10BX

**Structure**

![Structure](image)

**Molecular Formula**  
C_{22}H_{14}N_{6}Na_{2}O_{9}S_{2}

**Molecular Weight**  
616.49

**Product Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Dark-brown to black crystalline powder</td>
</tr>
<tr>
<td>Dye content (%)</td>
<td>≥ 80</td>
</tr>
<tr>
<td>Loss on drying (%)</td>
<td>4 - 10 (130°C)</td>
</tr>
<tr>
<td>Sodium chloride + sulfate (%)</td>
<td>≤ 4.0</td>
</tr>
<tr>
<td>Absorption max (nm)</td>
<td>619 ± 3 (0.01g/l H₂O; 1cm)</td>
</tr>
<tr>
<td>Absorptivity (L·mol⁻¹·cm⁻¹)</td>
<td>≥ 44500</td>
</tr>
</tbody>
</table>

**Storage**  
Cool, dry, tightly closed, shelf life 5 years

**Application**  
Textil and printing dye

Changes in comparison to previous issue: Product properties.