# TECHNICAL DATA SHEET

**Product name:** Bronze Red C (PR53:1)  
**Description:** Red powder

<table>
<thead>
<tr>
<th>C.I.No.</th>
<th>PR53:1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical name</td>
<td>Bronze Red C (barium)</td>
</tr>
<tr>
<td>Structural formula</td>
<td><img src="image" alt="Structural formula" /></td>
</tr>
<tr>
<td>Molecular formula</td>
<td>C₈₈H₄₄Cl₂N₄O₈ S₂Ba</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>888.98</td>
</tr>
<tr>
<td>CAS No.</td>
<td>5160-02-1</td>
</tr>
</tbody>
</table>

### Physical Data

<table>
<thead>
<tr>
<th>Physical Data</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density (g/cm³)</td>
<td>1.7~1.9</td>
</tr>
<tr>
<td>Oil absorption (ml/100g)</td>
<td>≤50</td>
</tr>
<tr>
<td>PH Value</td>
<td>7.0-8.0</td>
</tr>
<tr>
<td>Moisture</td>
<td>≤2.5</td>
</tr>
</tbody>
</table>

### Fastness Properties

<table>
<thead>
<tr>
<th>Fastness Properties</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Fastness</td>
<td>4</td>
</tr>
<tr>
<td>Heat Resistance</td>
<td>180</td>
</tr>
<tr>
<td>Oil Resistance</td>
<td>5</td>
</tr>
<tr>
<td>Acid Resistance</td>
<td>3</td>
</tr>
<tr>
<td>Alkali Resistance</td>
<td>3</td>
</tr>
<tr>
<td>Water Resistance</td>
<td>5</td>
</tr>
</tbody>
</table>

### Technical Specification

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tinting Strength</td>
<td>97-103%</td>
</tr>
<tr>
<td>MASS ∆E*</td>
<td>≤2.0</td>
</tr>
<tr>
<td>TINT ∆E*</td>
<td>≤1.0</td>
</tr>
</tbody>
</table>

### Application

Plastic, offset ink, water base ink