**TECHNICAL DATA SHEET**

**ZINC OXIDE**

**GRADE 124G**

**Description**

Our Zinc Oxide product is manufactured by the French (Indirect) Process.

Grade 124G is our harder granulated/pelleted form of our grade 800WSA zinc oxide powder.

Grade 124G replaces grade KADOX 720G.

**Uses**

This grade is used in the glass, glazes, ceramics, and frit enamel industry and in applications where high bulk density and free flow is required.

Grade 124G is not recommended for rubber or other applications where individual crystal dispersion is required.

**REPRESENTATIVE CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Chemical Analysis (%)</th>
<th>Typical Limit</th>
<th>Nominal</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Oxide (ZnO) ignited basis</td>
<td>99.7 min</td>
<td>99.9</td>
<td>Supplier (calculation)</td>
</tr>
<tr>
<td>Lead (Pb) *</td>
<td>0.005 max</td>
<td>0.002</td>
<td>ASTM D4075</td>
</tr>
<tr>
<td>Cadmium (Cd) *</td>
<td>0.005 max</td>
<td>0.0003</td>
<td>ASTM D4075</td>
</tr>
<tr>
<td>Iron (Fe)</td>
<td>0.005 max</td>
<td>0.001</td>
<td>ASTM D4075</td>
</tr>
<tr>
<td>Copper (Cu)</td>
<td>0.001 max</td>
<td>0.0001</td>
<td>ASTM D4075</td>
</tr>
<tr>
<td>Loss at 110°C (moisture)</td>
<td>0.3 max</td>
<td>0.2</td>
<td>ASTM D280</td>
</tr>
</tbody>
</table>

**REPRESENTATIVE PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Screen Test</th>
<th>10 mesh (%)</th>
<th>5 max</th>
<th>n/a</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen Test</td>
<td>100 mesh (%)</td>
<td>25 max</td>
<td>10</td>
</tr>
<tr>
<td>Apparent Density</td>
<td>(lbs/ft3)</td>
<td>&gt; 70</td>
<td>-</td>
</tr>
</tbody>
</table>

* Regular test item for process & product control and included on COA’s. Other items for reference only.

**Standard Packaging:** 50 lb. Kraft paper bags on 2,500 lb net wt. pallet unit, or 2,500 lb FIBC.

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