AMPERIT® 707

Chemical Formula  
Cr₂O₃ 99.5 %

Chemical Name  
Chromium Oxide 99.5 %

Description of Product  
Fused

Particle Sizes Available  
Product Designation
- AMPERIT® 707.092  75/25 µm
- AMPERIT® 707.001  45/22 µm
- AMPERIT® 707.054  45/10 µm

Chemical Characteristics
(Mass fraction in % [cg/g]; ppm [µg/g])

<table>
<thead>
<tr>
<th>Substance</th>
<th>SiO₂</th>
<th>TiO₂</th>
<th>Fe₂O₃</th>
<th>Acid soluble Chromium</th>
<th>Cr₂O₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max.</td>
<td>0.25 %</td>
<td>0.15 %</td>
<td>0.10 %</td>
<td>0.15 %</td>
<td>balance</td>
</tr>
</tbody>
</table>

Physical Characteristics
Particle Size Distribution

<table>
<thead>
<tr>
<th>Metric</th>
<th>707.092</th>
<th>707.001</th>
<th>707.054</th>
<th>707.072</th>
<th>707.053</th>
<th>707.000</th>
</tr>
</thead>
<tbody>
<tr>
<td>125 µm</td>
<td>100 %</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>88 µm</td>
<td>min. 90 %</td>
<td>100 %</td>
<td>100 %</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>62 µm</td>
<td></td>
<td>min. 95%</td>
<td>min. 95%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22 µm</td>
<td>max. 10%</td>
<td>max. 5%</td>
<td>min. 18 µm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15 µm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 µm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 10 %</td>
<td>min. 22 µm</td>
<td>min. 18 µm</td>
<td>min. 12 µm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 50 %</td>
<td>42 - 47 µm</td>
<td>30 - 35 µm</td>
<td>23 - 26 µm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 90 %</td>
<td>max. 84 µm</td>
<td>max. 56 µm</td>
<td>max. 48 µm</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

1) MICROTRAC by Laser Light Diffraction per ASTM C 1070.
2) Secondary Electron Image (SEI)

Packaging

Standard Packaging
5 kg in one 2.5 l PE bottle, 6 bottles (30 kg) in one cardboard box.

Hazards identification in Advertising (REGULATION (EC) No 1272/2008 Article 48)

None.

Documentation

An inspection document in accordance with EN 10204 is supplied with every shipment.

Remarks

Always mix well before using.

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