AMPERIT® 171

Chemical Formula  
Si, high purity

Chemical Name  
Silicium

HS Number  
28046900

Particle Sizes Available  
Product Designation
AMPERIT® 171.084  75/20 µm

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

<table>
<thead>
<tr>
<th>Element</th>
<th>Max.</th>
<th>PPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al</td>
<td>max.</td>
<td>50 ppm</td>
</tr>
<tr>
<td>C</td>
<td>max.</td>
<td>0.20 %</td>
</tr>
<tr>
<td>Fe</td>
<td>max.</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Ca</td>
<td>max.</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Other&lt;sup&gt;1)&lt;/sup&gt;</td>
<td>&lt; 200 ppm</td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>max.</td>
<td>0.50 %</td>
</tr>
</tbody>
</table>

Physical Characteristics

Particle Size Distribution<sup>2)</sup>

<table>
<thead>
<tr>
<th>Range</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 75 µm</td>
<td>10 %</td>
</tr>
<tr>
<td>- 20 µm</td>
<td>10 %</td>
</tr>
</tbody>
</table>

<sup>1)</sup> Sum [Co, Cr, Cu, K, Mg, Mn, Mo, Na, Ni, Ti, V, W].  
<sup>2)</sup> ALPINE Air Jet Screening.
Packaging
Standard Packaging
2 kg in one 2.5 l PE bottle, 6 bottles (12 kg) in one cardboard box.

Storage and Handling
Storage and handling are subject to the rules and regulations in the country of use.

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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