Specification Sheet

Saponite Clay Nanoparticles
(Purity: >99%, APS: < 80nm)
Stock No: NS6130-09-921, CAS: 1319-41-1

<table>
<thead>
<tr>
<th>Product</th>
<th>Saponite Clay Nanoparticles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stock No</td>
<td>NS6130-09-921</td>
</tr>
<tr>
<td>CAS</td>
<td>1319-41-1</td>
</tr>
<tr>
<td>Purity</td>
<td>&gt;99%</td>
</tr>
<tr>
<td>APS</td>
<td>&lt; 80nm</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>480.19 g/mol</td>
</tr>
<tr>
<td>Color</td>
<td>Off White</td>
</tr>
<tr>
<td>Density</td>
<td>2.3</td>
</tr>
<tr>
<td>Diaphaneity</td>
<td>Subtranslucent to opaque</td>
</tr>
<tr>
<td>Luster</td>
<td>Dull</td>
</tr>
<tr>
<td>Streak</td>
<td>White, Greasy</td>
</tr>
<tr>
<td>Hardness</td>
<td>11/2-2</td>
</tr>
<tr>
<td>Main Inspect Verifier</td>
<td>Manager QC</td>
</tr>
</tbody>
</table>

Note: Product Specification are subject to amendment and may change over time
Characterization of Saponite Clay Nanoparticles

Particles Size Analysis - Saponite Clay Nanoparticles