Lanlang °TA208
Gel type I strong base anion exchange resin
Used for hexavalent chromium, uranium removal.

Lanlang °TA208 is a premium grade gel type I strong base anion exchange resin in chloride form with quaternary amine (Trimethylamine) function group and very high capacity. TA208 is designed for hexavalent chromium and uranium removal. It also can removal the anionic contaminants including nitrate sulfate, etc. TA208 has exceptional operating capacity and physical stability to offer long life.

Basic Features:
Application: Hexavalent chromium, uranium removal.
Polymer matrix structure: Gel polystyrene crosslinked with divinylbenzene (DVB)
Appearance: White & pale yellow translucent, spherical beads
Functional Group: Quaternary amine, type I (Trimethylamine)
Ionic form as shipped: Cl-

Physical and Chemical Properties:

<table>
<thead>
<tr>
<th>NO.</th>
<th>ITEM</th>
<th>SPEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Total exchange capacity (eq/L)</td>
<td>≥1.4</td>
</tr>
<tr>
<td>2</td>
<td>Moisture retention (%)</td>
<td>42-45</td>
</tr>
<tr>
<td>3</td>
<td>Particle size range (%)</td>
<td>0.315-1.25 mm≥95</td>
</tr>
<tr>
<td>4</td>
<td>Whole uncracked beads after attrition (%)</td>
<td>≥96</td>
</tr>
<tr>
<td>5</td>
<td>Shipping weight (g/ml)</td>
<td>Cl- form 0.67-0.73</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OH- form 0.66-0.71</td>
</tr>
<tr>
<td>6</td>
<td>Specific gravity (g/ml)</td>
<td>Cl- form 1.07-1.10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OH- form 1.06-1.09</td>
</tr>
<tr>
<td>7</td>
<td>Effective size (mm)</td>
<td>0.4 - 0.6</td>
</tr>
<tr>
<td>8</td>
<td>Uniformity coefficient</td>
<td>&lt;1.7</td>
</tr>
<tr>
<td>9</td>
<td>Reversible swelling, Cl- → OH- (%)</td>
<td>&lt;20</td>
</tr>
</tbody>
</table>

Suggested Operating Conditions:

<table>
<thead>
<tr>
<th>NO.</th>
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<th>SPEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Max operating temperature</td>
<td>60 °C</td>
</tr>
<tr>
<td>2</td>
<td>PH range</td>
<td>0-14</td>
</tr>
<tr>
<td>3</td>
<td>Service flow rate</td>
<td>8-40 BV/h</td>
</tr>
<tr>
<td>4</td>
<td>Regenerant</td>
<td>2-10% NaCl, 2-6% NaOH</td>
</tr>
</tbody>
</table>