**INDION CAM 1400**

Description
INDION CAM 1400 is a uniform particle size nuclear grade mixed ion exchange resin. It is a mixture of highly purified and super regenerated INDION 2230 H⁺ and INDION GS3000 NG in volume ratio of 1:4.

Applications
INDION CAM 1400 is recommended in any non regenerable mixed bed application where reliable production of the highest quality water is required and where “as supplied” resin must have an absolute minimum of ionic and nonionic contamination.

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Physical</th>
<th></th>
<th>Chemical</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Spherical beads</td>
<td>Cation resin</td>
<td>Styrene DVB copolymer</td>
</tr>
<tr>
<td><strong>Shipping weight</strong></td>
<td>680 kg/m³, approximately</td>
<td></td>
<td>Gel</td>
</tr>
<tr>
<td><strong>Particle size</strong></td>
<td>&lt; 0.42 mm: 1.0 %, maximum</td>
<td></td>
<td>Sulphonic acid</td>
</tr>
<tr>
<td><strong>Uniformity co-efficient</strong></td>
<td>1.2, maximum</td>
<td></td>
<td>1.9 meq/ml</td>
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<tr>
<td><strong>Effective size</strong></td>
<td>0.5 to 0.65 mm</td>
<td></td>
<td>99% minimum in H form</td>
</tr>
<tr>
<td><strong>Microscopic Examination</strong></td>
<td>Surface cracks not more than 5%</td>
<td></td>
<td></td>
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</tbody>
</table>

**Chemical Impurities**
- Iron content: 20 mg/l, maximum as Fe
- Copper content: 10 mg/l, maximum as Cu
- Heavy metals: 10 mg/l, maximum as Pb
- Water soluble Organics: 0.1 mg KMnO₄/ml maximum

*Weight of resin, as supplied, occupying 1 m³ in a unit after backwashing and draining.*
Packing

PVC Jars with inner liner bags 5 / 6 lts
LDPE lined bags 0.5 cft / 1 cft / 25 lts
HDPE lined bags 25 / 50 lts
HDPE drums 50 / 100 / 180 lts

Storage

Ion exchange resins require proper care at all times. The resins must never be allowed to become dry. The drums should therefore be always kept in shade. Since INDION CAM 1400 is supplied in highly regenerated condition, any exposure to atmospheric air must be avoided as this will convert it to the carbonate form. The resin drums should therefore be kept in tightly closed condition.

Safety

Acid and alkali solutions used for regeneration are corrosive and should be handled in a manner that will prevent eye and skin contact. If any oxidising agents are used, necessary safety precautions should be observed to avoid accidents and damage to the resin.

INDION range of Ion Exchange resins are produced in a state-of-the-art ISO 9001 and ISO 14001 certified manufacturing facilities at Ankleshwar, in the state of Gujarat in India.

To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice.

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