

## RESIN

Sr#	Description	Qty
1	<b><u>Amberlite IRN77 or Chinese Equivalent</u></b> <ul style="list-style-type: none"> <li>Strongly acidic gelular polystyrene cation</li> <li>Physical form: Uniform particle size spherical beads</li> <li>Harmonic mean size: 650±50µm</li> <li>Uniformity co-efficient ≤ 1.2</li> <li>Particle size &lt; 0.30 mm : 0.2% max</li> <li>Particle size &gt; 1.18 mm : 2.0% max</li> <li>Whole beads: 95% minimum</li> <li>Matrix: Polystyrene DVB gel</li> <li>Functional groups: Sulphonic acid</li> <li>Ionic form: H<sup>+</sup></li> <li>Total exchange capacity ≥ 1.9 eq/L (H<sup>+</sup> from)</li> <li>Moisture holding capacity: 49 to 55% (H<sup>+</sup> from)</li> <li>Ionic conversion: 99% minimum H<sup>+</sup></li> </ul>	8000 Liters
2	<b><u>Amberlite IRN9652 or Chinese Equivalent</u></b> <ul style="list-style-type: none"> <li>Matrix: Styrene divinylbenzene copolymer</li> <li>Functional groups: Sulphonate</li> <li>Physical form: Amber heads</li> <li>Ionic form as shipped: H<sup>+</sup> (99% minimum)</li> <li>Total exchange capacity ≥ 1.95 eq/L (H<sup>+</sup> from)</li> <li>Harmonic mean size: 0.60 to 0.80 mm</li> <li>Uniformity co-efficient ≤ 1.7</li> <li>Fines content &lt; 0.30 mm : 0.2% max</li> <li>Coarse beads &gt; 1.180 mm : 3.0% max</li> <li>Chemical resistance: Insoluble in dilute acids or basis and in common solvents</li> </ul>	3000 Liters

**Notes:**

- a. Technical literature of the offered items must be provided with the quotation.
- b. Make and country of origin of the offered items should be mentioned in the quotation.
- c. All relevant tests will be conducted by buyer's inspectors at manufacturer's premises free of charge. Travel, boarding & lodging will be on buyer's account.
- d. The following certificates must be provided by the supplier before shipment without any additional charge:
  - i. Quality Confirmation Certificate
  - ii. Certificate of Origin
  - iii. Test/Analysis Reports
  - iv. Operational Test Certificate (batch wise)