

**ANNEXURE****STRONG ACID CATION EXCHANGE RESIN IN SODIUM FORM****Material Code - 4050001171**

SI.NO	PARAMETER	SPECIFICATION
1	Type	Strong Acid Cation Exchange Resin
2	Appearance	Moist, Translucent, golden yellow to brown coloured beads
3	Functional group	Nuclear Sulphonic
4	Ionic form	Sodium
5	% Moisture holding capacity	43 to 50
6	Total Exchange Capacity, (Meq/ml)	2 Min
7	Brine PH	7.5 to 9
8	% Volume Change (H Tto Na form)	7% to 8% approx
9	% Perfect Beads	90 Min
10	% Whole Beads	98 Min
11	Bead Size Distribution , mm	0.3-1.2
12	Above 14 BSS (1200) Microns% v/v (%Coarser)	5 Max
13	Passing through 52 BSS (300 Microns) % v/v (Fines content)	1 Max
14	Effective Size, mm	0.45 to 0.55
15	Uniformity Co-efficient	1.7 Max
16	Foreign Particles	Should be absent

