
SPECIFICATION OF IRON SUCROSE

SR. NO.	TEST	SPECIFICATION
1	DESCRIPTION	BROWN TO RED COLOUR SOLUTION
2	IDENTIFICATION A. IRON B. SUCROSE C. MOLECULAR WT.	POSSITIVE COMPLIES Mw:34,000 TO 60,000 Da Mn: NOT LESS THEN 24,000 Da Mw/Mn : NMT 1.7
3	pH	BETWEEN 10.5 TO 11.05
4	DENSITY	1.200 TO 1.250 g/ml
5	OSMOLARITY	1150 mOsmol / L to 1350 mOsmol / L
6	TURBIDITY	4.4 TO 5.3
7	LOW MOLECULAR WEIGHT COMPLEXES	ABSENT
8	IRON (II) CONTENT IN % (W/V)	NMT 0.6 %
9	CHLORIDE CONTENT IN % (W/V)	0.017% TO 0.036%
10	THE RATIO OF CHLORIDE TO IRON	0.0077 TO 0.0131
11	SUCROSE CONTENT IN mg/ ml	390 to 510 mg/ ml.
12	RATIO OF SUCROSE TO IRON	13.0 TO 17.0
13	ASSAY FOR IRON ION mg/ ml	27 to 33 mg/ml (Target = 30 MG/ML)
14	ALKALINITY	BETWEEN 0.5 TO 0.8 ml of 0.1 N HCL is consumed per ml of solution
15	MICROBIAL LIMIT TEST	
a	TOTAL AEROBIC MICROBIAL COUNT	NMT 10 cfu/g
b	TOTAL COMBINED YIEST & MOULD	NMT 10 cfu/g
c	BECTERIAL ENDOTOXINS IN EU/ml	NMT 34 EU/ml.