



Product : **Iron III Hydroxide Polysucrose Complex Powder**
Shelf Life : **2 Years.**

Parameter	Specifications
Description	Brownish red coloured hygroscopic powder.
Colour	Brownish red coloured powder.
Taste	Non-metallic.
Odour	Odourless.
Solubility	Soluble in water forms clear reddish brown colour, insoluble in organic solvent.
Molecular Weight	M _w 34,000 ~ 60,000 Da M _N NLT 24000 Da M _w / M _N NMT 1.7
Loss on drying	NMT 8.00% W/W as estimated drying by AOAC Method.
pH of 2% solution	9.00 - 11.00 at 24° C.

Chemicals Parameter: (On Dry Basis)

Ionised /Free Iron III	Negative.
Iron III bound	Positive.
Total Elemental Iron	4.50% TO 7.00% w/w
Sucrose content	70.00% TO 90.00% w/w
NaCl content	NMT 0.50% w/w
Heavy metals	NMT 200ppm.
Arsenic	NMT 3.0 ppm.
Lead	NMT 25.0 ppm.
Copper	NMT 60.0 ppm.
Zinc	NMT 150.0 ppm.

Microbiological Parameter:-

Total plate count	NMT 100 CFU per gm.
Yeast & moulds	NMT 100 CFU per gm.
Pathogens	Absent.
E.Coli	Absent .
Salmonella	Absent .

Endotoxin Test

≤ 0.25 EU/mg of Iron