



Product Name :	Licorice Extract
Botanical Name :	Glycyrrhiza Glabra
Product Code :	GGN
HER :	12:1
Part Used :	Root

S. No.	Protocols of test	Test Methods	Standard to which Compared
1.0	Description		
a.	Appearance	Organoleptic	Light brown color powder
b.	Colour	Organoleptic	Light Brown
c.	Odour	Organoleptic	Characteristics
d.	Taste	Organoleptic	Characteristics
2.0	Analytical Data		
a.	Identification	By TLC (IH)	Conforms
b.	Loss on drying (At 105°C)	IP 2014	NMT. 8.0%
c.	Total Ash	IP 2014	NMT. 10.0%
d.	pH (1% w/v solution)	IP 2014	5-7
e.	Bulk Density	IP 2014	NLT. 0.25 gm/ml
f.	Tapped Density	IP 2014	NLT. 0.30 gm/ml
g.	Particle Size	Sieve	NLT. 95% Passes through 40 Mesh
3.0	Assay (On dry wt. Basis)		
a.	Glycyrrhizin	By HPLC	NLT 20%
4.0	Heavy Metals	USP 38 (2232)	
a.	Lead	ICP-MS	NMT 2.0 ppm
b.	Arsenic	ICP-MS	NMT 2.0 ppm
c.	Cadmium	ICP-MS	NMT 0.3 ppm
d.	Mercury	ICP-MS	NMT 0.1 ppm
5.0	Microbiological Test	USP 38 (2030)	
a.	Total Plate Count	USP <2021>	NMT. 1000 cfu/gm.
b.	Yeast/Moulds/Fungi	USP <2021>	NMT. 100 cfu/gm
c.	E. coli	USP <2022>	Absent
d.	Salmonella	USP <2022>	Absent / 25 gm
e.	Staphylococcus aureus	USP <2022>	Absent

Storage Condition: - Store at cool, dry place away from light & moisture.

Shelf Life: - 3 Years in original packed conditions from the date of mfg.

Packaging: - 25 Kgs. Suitable Packed in double Poly bags.