

PRODUCT SPECIFICATION

INCI/Botanical Name	GLYCYRRHIZA GLABRA	Product Name	Licorice Extract
Parts of Plant	Root	Report No	GG/HP/23
Extraction Ratio	Liquid Extract	Origin	India
Extraction Base	Water/Solvent	Date of Expiry	02 Years
Cas No	68916-91-6	HSN Code	13021919
TEST	SPECIFICATION		METHOD

A. Physical Parameters:

Solvent Used	PROPYLENE GLYCOL	GLYCERIN	DISTILLED	
Appearance	Liquid	---	---	Visual
Color	Yellow brown	---	---	Visual
Odour	Characteristic	---	---	Organoleptic
Taste	Sweet taste of root	---	---	
Miscibility				
Water	Miscible	---	---	USP 516
Propylene	Miscible	---	---	USP 516
Alcohol (50% Alcohol)	Miscible	---	---	USP 516
pH (1% Aqu. Sol ⁿ .)	Between 3.0 to 7.0	---	---	USP 791
Specific Gravity (At 20 ^o C)	Between 1.16 to 1.23 gm/ml	---	---	Pycnometer

B. Active Ingredients:

Glycyrrhizin	Presence	---	---	USP
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C. Heavy Metals:

Lead (PB)	NMT 1.0 ppm	---	---	USP 233
Mercury (HG)	NMT 1.0 ppm	---	---	USP 233
Arsenic (AS)	NMT 1.0 ppm	---	---	USP 233
Cadmium (CD)	NMT 1.0 ppm	---	---	USP 233

D. Microbiological Test:

Total Aerobic Count	NMT 1000 cfu/gm	---	---	USP 2021
Total Yeast & Mold Count	NMT 100 cfu/gm	---	---	USP 2021
Escherichia coli	Absent	---	---	USP 2022
Salmonella	Absent	---	---	USP 2022
S. aureus	Absent	---	---	USP 2022
Staphylococcus	Absent	---	---	USP 2022

E. Other:

Standard Packing: 25 Kg in single HDPE Container.
 The above material complies with in-house specifications.
 Store in a cool and dry place away from sunlight and heat. The preferred storage is below 30^oC.
 The Product Is of Herbal Origin. There May Be Minor Color Difference Due to Geographical and Seasonal Variation of the Plant Material.

Note: This Is Computer Generated Specification & Does Not Require A Physical Signature.



PRODUCT SPECIFICATION

INCI/Botanical Name	GLYCYRRHIZA GLABRA	Product Name	Licorice Extract		
Parts of Plant	Root	Report No	GG/HP/23		
Extraction Ratio	Oil Extract	Origin	India		
Extraction Base	Oil/Solvent	Date of Expiry	02 Years		
Cas No	68916-91-6	HSN Code	13021919		
TEST	SPECIFICATION				METHOD
A. Physical Parameters:					
Solvent Used Oil	LLP	SESAME	SUNFLOWER	COCONUT	
Appearance	Clear oil	---	Clear oil	---	Visual
Color	Faint yellow	---	Yellow	---	Visual
Odour	Characteristic	---	Characteristic	---	Organoleptic
Specific Gravity (At 20⁰C)	Between 0.810 to 0.930 gm/ml	---	Between 0.910 to 0.950 gm/ml	---	Pycnometer
Miscibility					
Mineral	Miscible		Miscible		USP 561
Vegetable Oil	Miscible		Miscible		USP 561
B. Active Ingredients:					
---	---	---	---	---	USP
C. Heavy Metals:					
Lead (PB)	NMT 1.0 ppm	---	NMT 1.0 ppm	---	USP 233
Mercury (HG)	NMT 1.0 ppm	---	NMT 1.0 ppm	---	USP 233
Arsenic (AS)	NMT 1.0 ppm	---	NMT 1.0 ppm	---	USP 233
Cadmium (CD)	NMT 1.0 ppm	---	NMT 1.0 ppm	---	USP 233
D. Microbiological Test:					
Total Aerobic Count	NMT 1000 cfu/gm	---	NMT 1000 cfu/gm	---	USP 2021
Total Yeast & Mold Count	NMT 100 cfu/gm	---	NMT 100 cfu/gm	---	USP 2021
Escherichia coli	Absent	---	Absent	---	USP 2022
Salmonella	Absent	---	Absent	---	USP 2022
S. aureus	Absent	---	Absent	---	USP 2022
Staphylococcus	Absent	---	Absent	---	USP 2022
E. Other:					
Standard Packing: 25 Kg in single HDPE Container.					
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