



TAMAQUA PA 18252

www.amazondiscovery.com

PHONE: 570-497-8007 FAX: 570-497-8007 E-MAIL: info@amazondiscovery.com

### CERTIFICATE OF ANALYSIS

#### IDENTIFICATION

**Product Name:** Licorice Root Powder Extract 15%  
**Botanical Name:** Glycyrrhiza Glabra  
**Part Used:** Root  
**Origin:** China

#### ANALYSIS

#### SPECIFICATION

#### RESULT

#### TEST

Description	Powder	Powder	Visual
Identification	Positive	Confirm	HPTLC
Color	Brown	Brown	Visual
Taste	Characteristic	Conform	Organoleptic
Odor	Characteristic	Conform	Organoleptic
Moisture	≤5.0% Max	2.0%	<USP>
Heavy Metals	≤10ppm	<10ppm	ICP-MS
(Pb)	≤3.0ppm	0.85ppm	
(As)	≤2.0ppm	0.415ppm	
Extraction Method	Water		
Mesh Size	Material Passing through 30#BS/35 ASTM (%w/w)		

#### PHYTOCHEMICALS

Glycyrrhizin	NLT 15%	15.02%	HPLC
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#### Microbiological Counts

Total Plate Count	≤10,000cfu/g	Conform	FDA BAM 8 <sup>th</sup>
Yeast	≤1,000cfu/g	Conform	FDA BAM 8 <sup>th</sup>
Mold	≤1,000cfu/g	Conform	FDA BAM 8 <sup>th</sup>
Coliforms	≤100cfu/g	Conform	FDA BAM 8 <sup>th</sup>
E. coli	Absent/10g	Absent/10g	USP <2022>
Salmonella	Negative/25g	Negative25/g	FDA BAM 8 <sup>th</sup>

#### Storage:

Store in a tightly, sealed container in a cool and dry area.

Keep away from strong light and heat.

This product is Non-GMO.

This product is not treated with ETO, nor is it Gamma irradiated.