

BulkActives

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Certificate of Analysis

Product Name: Glycyrrhizinate Acid Powder
Botanical Name: Glycyrrhizia uralensis Fisch
Batch No: 20111210

Manufacture Date: Nov 10, 2011
Analysis Date: Nov 11, 2011
Expiry date: Nov 11, 2013

Test/Observation	SPECIFICATION	RESULTS
Appearance	Powder	Complies
Color	White	Complies
Odor	Sweet	Complies
Mesh	100	Complies
Solubility	Soluble in Ethanol	Complies
Loss on drying%	MAX 5.0	3.36
Ph(1% in ethanol 50%)	2.8---3.2	3.01
Assay	By UV	
Content	Acid Content MIN 98%	98.45
Arsenic,As PPM	MAX2	Complies
Heavy Metals PPM	MAX10	Complies
Bacteria colonies/g	MAX1000	Complies
Moulds colonies/g	MAX100	Complies
Yeast colonies/g	MAX100	Complies
E.Coli colonies/g	Negative	Complies
Samonella colonies/g	Negative	Complies

USABLE LIFE AND STORAGE

Store below 25°C (77°F) in a dry place away from all sources of ignition. Store in tightly closed containers. When properly stored, this product has a usable life of 24 months from the date of production.

LIMITATIONS

This product is neither tested nor represented suitable for medical or pharmaceutical uses.

LIMITED WARRANTY – PLEASE READ CAREFULLY

The information contained herein is offered in good faith based on BulkActives' research and information provided by manufacturers and distributors, and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customers' tests to insure that BulkActives' products are fully satisfactory for your specific applications. Our warranty is that the product will meet its current sales specifications. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.