

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	32182
Lot Number	002681-18122501
Product	Monoammonium glycyrrhizinate hydrate Glycyrrhizic acid monoammonium salt hydrate Glycyrrhizin monoammonium salt hydrate
CAS Number	53956-04-0
Molecular Formula	C ₄₂ H ₆₅ NO ₁₆ ·xH ₂ O
Molecular Weight	839.97

Appearance	White powder
Solubility	Soluble in water & ethanol
Odor	Sweet
Heavy Metals	< 10 ppm
Anion	Chloride : < 0.014% Sulphate : < 0.025%
Cation	Arsenic : < 2 ppm
pH	4.58
Mould and Yeast	< 100 cfu/g
Optical Rotation	[α] _D ²⁰ = 49 - 54 °
Loss on Drying	3.8%
Residual Solvents	Alcohol : < 1.0%
E. Coli	Negative
Microbial Count	< 1000 cfu/g
Salmonella	Negative
Mesh Size	100% thr' 80 mesh
Residue On Ignition	0.058%
Purity by HPLC	73.39%
Purity by UV	98.47%
Storage	Store at RT

Certificate of Analysis

Catalog Number: 32182

Lot Number: 002681-18122501

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager