

# CERTIFICATE OF ANALYSIS

## AMMOTHAMNINE 98% (HPLC)

Batch No.: FS-AM130324 MFG Date: 20130324 EXP Date: 20150323

### General Information

Botanical Source: Sophora flavescens Ait. Using part: Root Place of origin: China

ANALYSIS ITEMS	SPECIFICATION	METHOD	RESULT
<b>Physical&amp;Chemical Data</b>			
Appearance	Crystal	Organoleptic	Conform
Colour	White	Organoleptic	Conform
Odour	Characteristic	Eur.Ph.7.0<2.3.4>	Conform
<b>Analysis Quality</b>			
Ammothamnine	≥98%	HPLC(on anhydrous basis)	98.9%
Sieve Analysis	100% through 80 mesh	USP34<768>	Conform
Lose on drying	≤0.5%	Eur.Ph.7.0<2.8.17>	0.36%
Total ash	≤0.2%	Eur.Ph.7.0<2.4.16>	0.13%
<b>Heavy Metal</b>			
As	<20ppm	Eur.Ph.7.0<2.4.8>	Conform
Pb	<2ppm	Eur.Ph.7.0<2.2.58>ICP-MS	<0.01ppm
Hg	<3ppm	Eur.Ph.7.0<2.2.58>ICP-MS	<0.01ppm
Cd	<0.1ppm	Eur.Ph.7.0<2.2.58>ICP-MS	<0.01ppm
Solvents Residue	<1ppm	Eur.Ph.7.0<2.2.58>ICP-MS	<0.01ppm
Pesticides Residue	Meet Eur.Ph.7.0<5.4>	Eur.Ph.7.0<2.4.24>	Conform
	Meet USP Requirements	USP32<561>	Conform
<b>Microbiological</b>			
Total Plate Count	≤1000cfu/g	Eur.Ph.7.0<2.6.12>	Conform
Yeast & Mold	≤100cfu/g	Eur.Ph.7.0<2.6.12>	Conform
E. Coli	Negative	Eur.Ph.7.0<2.6.13>	Conform
Salmonella	Negative	Eur.Ph.7.0<2.6.13>	Conform
<b>Packing &amp; Store</b>			
	Packed in paper-drums and two plastic-bags inside		
	Net W. : 25KGs D38*H55		
	Store in cool & dry place, Keep away from strong light and heat.		
<b>Shelf Life</b>			
	2 years when properly stored with its original packaging.		

Conclusion: Conform to specification.