

**TAIZHOU CRENE CHEMPHARM CO., LTD.**

TEL:86 576 88813233 FAX:86 576 88670057

ADD: Weiwu Load, Economic Developed Zone of Taizhou, Zhejiang China.

E-mail:sales@pharm-intermediates.com URL:www.pharm-intermediates.com

## Certificate of analysis

<b>Product Name</b>	<b>Ascomycin</b>	<b>CAS No.</b>	11011-38-4
<b>Batch No.</b>	20090315	<b>Quantity</b>	25kg
<b>MFG. Date</b>	Apr.16, 2009	<b>EXP. Date</b>	Apr. 15, 2011

### TEST

<b>Items</b>	<b>Specifications</b>	<b>Results</b>
<b>Appearance</b>	A white crystalline powder	Conforms
<b>Solubility</b>	Soluble in DMSO, ethanol	Conforms
<b>Water</b>	$\leq 3.0\%$	0.8%
<b>Melting point</b>	156°C~161°C	156.3°C~156.8°C
<b>Heavy metals</b>	$\leq 20\text{ppm}$	<20ppm
<b>Total impurities (peak area %)</b>	<5.0%	2.4%
<b>Tacrolimus</b>	<5.0%	0%
<b>Purity (HPLC)</b>	$\geq 95\%$	97.6%

### Conclusion: It complies with JP 14 Standard.

Packing storage: in tight containers. The dry powder at controlled room temperature

Analyst: Zhao

Checker: Liu

Q.C Director. Fang F