

**济南健丰化工有限公司**  
**JINAN JIANFENG CHEMICAL CO.LTD.**

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**Certificate of Analysis**

<b>Product Name: Iguratimod</b> <b>Batch NO.: 110802</b> <b>Report Date :2011/08/02</b> <b>Perform Standard: Enterprise standard</b>		
<b>Test</b>	<b>Specification</b>	<b>Result of analysis</b>
<b>Appearance</b>	<b>White to pale yellow floccular fibre powder</b>	<b>White Floccular fibre powder</b>
<b>Solubility</b>		<b>Conforms</b>
- In dimethylsulfoxide	<b>Soluble</b>	<b>Conforms</b>
- -In acetone, Ethyl acetate, chloroform	<b>Slightly soluble</b>	<b>Conforms</b>
- -In methanol	<b>Sparingly soluble</b>	<b>Conforms</b>
- -In water, ethanol	<b>Insoluble</b>	
<b>ID</b>		
- By IR	<b>Similar to standard</b>	<b>Conforms</b>
<b>Melting Point</b>	<b>237 ~ 241 °C</b>	<b>237.5~238.7°C</b>
<b>Loss on Drying</b>	<b>Not more than 2.0%</b>	<b>1.3%</b>
<b>Sulfated Ash</b>	<b>Not more than 0.15%</b>	<b>0.02%</b>
<b>Heavy metals</b>	<b>Not more than 10PPM</b>	<b>Conforms</b>
<b>Related Substances</b>		
- Total Impurity	<b>Not more than 1.0%</b>	<b>0.5%</b>
- Individual Impurity	<b>Not more than 0.5%</b>	<b>0.3%</b>
<b>Assay (HPLC)</b>	<b>More than 98.5%</b>	<b>99.2%</b>
<b>Conclusion: Conforming to Enterprise Standard</b>		
<b>Exam</b>	<b>Analyst</b>	<b>Checker</b>