

**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: Quetiapine fumarate</b>		
<b>Batch No. : 20110402</b>		
<b>Report Date: 201104024</b>		
<b>Perform standard: Enterprise standard</b>		
<b>ITEM</b>	<b>SPECIFICATION</b>	<b>TEST RESULT</b>
<b>Characters</b>	<b>White or off- white crystalline powder</b>	<b>White crystalline powder</b>
<b>Solubility</b>	<b>Slightly soluble in methanol, ethanol and almost insoluble in water, dissolved in glacial acetic acid</b>	<b>Conform</b>
<b>IR</b>	<b>Standard spectrum</b>	<b>Positive</b>
<b>Loss on drying</b>	<b>0.5%Max</b>	<b>0.3%</b>
<b>pH</b>	<b>4.5-6.0</b>	<b>5.5</b>
<b>Melting point</b>	<b>171.0-175.0℃</b>	<b>173.5-173.9℃</b>
<b>Sulphated ash</b>	<b>0.1%Max</b>	<b>0.04 %</b>
<b>Heavy metals</b>	<b>10ppm Max</b>	<b>Conforms</b>
<b>Related Substance</b>	<b>Individual impurity</b>	<b>0.5%Max</b>
	<b>Total impurities</b>	<b>1.0%Max</b>
<b>Purity</b>	<b>99.0%</b>	<b>99.7%</b>
<b>Conclusion:complies Enterprise standard</b>		
<b>Exam</b>	<b>Analyst</b>	<b>Checker</b>