

**杭州东瑞医药科技有限公司**  
**HANGZHOU DAWN RAY PHARMACEUTICAL CO.,LTD.**

**CERTIFICATE OF ANALYSIS**

**Penicillin G sodium**

<b>Batch No.:</b> 1011405054-2	<b>Piece:</b> 18kg
<b>Manufacture Date:</b> 2014.05.28	<b>Expiry Date:</b> 2018.05.27

**TESTS:**

Items	Specification	Results
Characteristics	white or almost white crystalline powder	white crystalline powder
Identification	Conforms	Conforms
Acidity (PH)	5.5~7.5	7.1
Specific optical rotation	+285° ~+310°	+297°
Absorption	264nm: 0.80~0.88 280nm: ≤0.10 325nm: ≤0.10	0.83 0.01 0.01
Related substance	≤1.0%	0.03%
2-Ethylhexanoic acid	≤0.5%	0.01%
Loss on drying	≤1.0%	0.1%
Sterility	Conforms	Conforms
Bacterial endotoxins	<0.16IU/mg	Conforms
Solubility in water	Easily soluble in water	Conforms
Solubility in fatty oil	Practically insoluble	Conforms
Solubility in fatty atolin	Practically insoluble	Conforms
Assay (as dry substances)	96.0%~102.0%	99.3%
Potency (as dry substances)	-----	1658u/mg

Conclusion: The results conform with EP7.0.



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