



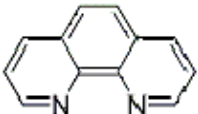
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## CERTIFICATE OF ANALYSIS

NO: **DYC1116070139**

Product Name	1,10-Phenanthroline chloride monohydrate p. A.
CAS Number	18851-33-7
Molecule Structure	HCl OH <sub>2</sub> 
Molecule Formula	C <sub>12</sub> H <sub>11</sub> ClN <sub>2</sub> O
Batch Number	20160120
Mfg. Date	2016-01-20
Test Date	2016-01-20

Items	Standard	Result
Appearance	White powder	White powder
Iron Complexing Molar Absorption Coefficient, L/cm • mol	1.15 x 10 <sup>4</sup>	1.16 x 10 <sup>4</sup>
Water-Soluble Test	Complies	Complies
Loss On Drying	≤7.8%	5.1%
Residue On Ignition (Sulphate)	≤0.05%	0.02%
Assay	≥99.5%	99.8%
Conclusion	Complies with AR grade	

QUALITY CONTROL: Hangzhou Dingyan Chem Co. Ltd.  
Quality Control ..... Melinda  
Signature(s)

CHECK: 姚仙娟

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