



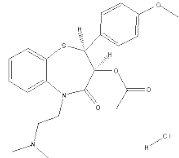
HANGZHOU DINGYAN CHEM CO.,LTD

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CERTIFICATE OF ANALYSIS

NO: **DYC071712081**

Product name	Diltiazem HCl (USP31)
CAS Number	33286-22-5
Molecule Structure	
Molecule Formula	C ₂₂ H ₂₇ C ₁ N ₂ O ₄ S
Batch number	20170308
Manufacture date	2017-03-08
Testing date	2017-03-08

Items	Standard	Test Result
Appearance	White crystalline powder	White crystalline powder
Identification A	The absorption spectrum of infrared light should be the same as that of the control	Conform
Identification B	The retention value of the main peak of the test product in the content determination should be consistent with the control product	Conform
Identification C	A positive reaction of chloride	Conform
Optical rotation	+110° ~+116°	+115°
Loss on drying	≤0.5%	0.2%
Ignition residue	≤0.1%	0.02%
Heavy metals	≤20ppm	Conform
Organic volatile impurities	Should conform the standard	0.02%
Deacetyl chloride sulphur	≤0.5%	0.14%
Other single purity	≤0.5%	0.23%
Total impurities	≤1.0%	0.67%
Assay	98.5%~101.5%	99.33%
Conclusion	Pass	

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

CHECK: 姚仙娟

INSPECTOR: 刘清风

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