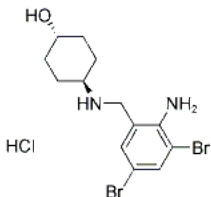


**HANGZHOU DINGYAN CHEM CO.,LTD**

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CERTIFICATE OF ANALYSIS**NO: DYC071705043**

Product name	AMBROXOL HYDROCHLORIDE (EP)
CAS Number	15942-05-9;23828-92-4
Molecule Structure	
Molecule Formula	C13H19Br2C1N2O
Batch number	20161216
Manufacture date	2016-12-16
Testing date	2016-12-16
Expiry date	2021-12-15

Items	Standard	Test Result
Appearance	White or yellowish, crystalline powder	White crystalline powder
Solubility	Very slight soluble in water, slight soluble in methylene chloride, soluble in methanol	Complies
Identification	IR	Complies
	TLC	Complies
	UV absorption(3.2-3.4ratio)	Complies
	Reaction of chlorides	Complies
Appearance of solution	The solution is clear and not more intensely coloured than reference solution Y6	Complies
Related substance	Total impurity \leq 0.3%	0.02%
	Any impurity \leq 0.1%	0.01%
Heavy metals	\leq 20ppm	< 20ppm
Loss on drying	\leq 0.5%	0.32%
Sulphated ash	\leq 0.1%	0.05%
PH	4.5-6.0	5.4
Assay	99.0-101.0%	100.2%
Conclusion	Conform	

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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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