



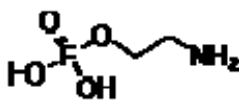
HANGZHOU DINGYAN CHEM CO.,LTD

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CERTIFICATE OF ANALYSIS

NO: **DYC071510212**

Product name	O-phosphocolamine
CAS Number	1071-23-4
Molecule Structure	
Molecule Formula	C2H7NO4P
Batch number	20120829
Manufacture date	2012-08-29
Testing date	2012-09-03

Items	Standard	Result
Appearance	White or off-white crystalline crystals	Complies
Identification	HNMR	Complies
Melting point	234~238℃	234.6~236.0℃
Clarity of solution	Clear	Complies
PH	3.0~4.0	3.2
Loss on drying	≤1%	0.19%
Heavy metals	≤10 ppm	Complies
Ethanolamine	≤0.5%	Complies
Assay	98.0~102.0%	99.6%
Conclusion	The above product conforms specification.	

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

CHECK: 姚仙娟

INSPECTOR: 刘清风