



HANGZHOU DINGYAN CHEM CO., LTD
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CERTIFICATE OF ANALYSIS

NO: **DYC011407181**

Product name	Hydroxyurea	CAS Number	127-07-1
Molecule Structure		Molecule Formula	CH4N2O2
Batch number	20130908	Customer Quantity	445 kg net
Manuf. Date:	2013-08-26	Exp. Date	2016-08-25
Criteria		Report Date	2013-10-12

Items	Standard	Result
Appearance	White or off-white crystalline powder	White crystalline powder
Identification	The spectrogram of the test solution than of corresponds to reference	conforms
Urea and related substances	Single $\leq 0.5\%$	<0.5%
	The number of impurities not more than two	Meets the requirements
Heavy metals	$\leq 30\text{ppm}$	<30ppm
Loss on drying	$\leq 1.0\%$	0.06%
Residue on ignition	$\leq 0.20\%$	0.02%
Chlorides	$\leq 50\text{ppm}$	<50ppm
Particle	600 um (#30 sieve) $\geq 85\%$	95.0%
	250um (#60 sieve) $\leq 55\%$	31.5%
	125um (#120 sieve) $\leq 25\%$	6.5%
Related substances	Any unknown single impurity $\leq 0.05\%$	<0.02%
Assay (on dried basis)	97.0%--103.0%	99.6%
Residual solvents	Methanol $\leq 1000\text{ppm}$	<34ppm
	Ethanol $\leq 1000\text{ppm}$	
Conclusion	The product conforms to the USP and in house standard	

Hangzhou Dingyan Chem Co., Ltd.
 Benlu Song
 QUALITY CONTROL: *Signature(s)*

CHECK: 姚仙娟

INSPECTOR: 刘清风