

## SINO BIO CHEMISTRY CO., LTD.

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### Certificate of Analysis

Product: Bronopol

Batch No: 20130408

Quantity: 1000kgs

Manufacture Date: Apr.08, 2013

Certificate Date: Apr. 08, 2013

### Results of Analysis

Items	Standards	Results
<b>Appearance</b>	White or almost white crystalline powder	White crystalline powder
<b>Identification</b>	A: IR positive B: properties C: M.P 125-132°C	128.0-129.7°C
<b>Assay (HPLC)</b>	99.0-101.0%	99.48%
<b>Related</b>	HPLC	Conform with BP2007
<b>Acidity</b>	1% W/V PH 5-7	6.00
<b>Water content (Karl Fischer)</b>	NMT 0.5%	0.12%
<b>Sulphated ash</b>	NMT 0.1%	0.033%
<b>Solubility test (20% water solution)</b>	Clear or nearly clear solution, Free of foreign particles	Clear
<b>Appearance of solution (20% W/V in CH<sub>3</sub>OH)</b>	Clear or nearly clear solution, Free of foreign particles	Clear
<b>Trihydroxymethyl Nitromethane</b>	NMT 0.3%	<0. 3%
<b>2-methyl -2-nitropropane-1,3-diol</b>	NMT 0.3%	<0. 3%
<b>2-nitroethanol</b>	NMT 0.3%	<0. 3%
<b>Sodium bromide</b>	NMT 0.3%	<0. 3%
<b>Formaldehyde testing</b>	Gastec testing	10.0ppm

**Conclusion:** The results of test were carried out according to the BP2007.