

### CERTIFICATE OF ANALYSIS

Product	<b>BRONOPOL BP</b>		
CAS NO.	52-51-7	Standard	BP
Mol. Formula	C <sub>3</sub> H <sub>6</sub> BrNO <sub>4</sub>	Packing	25kg Fiber Drum
Mol. Weight	199.99	Chemical Name	2-bromo-2-nitropropane-1,3-diol

No.	TESTS	PARTICULARS	OBSERVATION
01	Appearance	Color – White Crystalline Powder	Complies
02	Assay (OAB)	Not Less than 99.0%	99.7%
03	Melting Point	129-131 °C	129.9 °C
04	Solubility	Freely soluble in water, Ethanol (96%), slightly soluble in glycerol and in liquid paraffin	Complies
05	Acidity or alkalinity	pH 5.0-7.0 (1% w/v solution)	6.21
06	Water Content	Not More Than 0.50%	0.05%
07	Related Substances	2-methyl-2-nitropropane-1,3-diol: 0.5% Tris(hydroxyl methyl)nitromethane: 0.5% Any other Impurity: 0.1%	Not detected 0.01% 0.01%
08	Sulphated ash	Not More Than 0.1%	0.03%
<b>Remarks: The product complies as per BP Specification.</b>			

