

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product	Bronopol
2. Alternate Names	2-Bromo-2 Nitro Propane-1,3-Diol
3. CAS Number	52-51-7
4. Formula	$C_3H_6NO_4Br$
5. Mol Weight	199.99
6. Batch No & Mfg. Date	As mentioned on Label
7. Date Of Exp	3 Years From MFG Date
8. Date of Analysis	Dec-2024

SR.NO.	TESTS	SPECIFICATION	OBSERVATION
1	Description	White to almost white crystal or crystalline powder.	A white crystalline powder
2	Solubility	Freely soluble in water, Ethanol (96%), slightly soluble in glycerol and in liquid paraffin	Complies
3	Identification	A) By IR	Complies
		B) Reaction A of Bromide	Complies
		C) Melting Point : about 130°C	128.3°C
4	pH (1% w/v solution)	Between 5.0 to 7.0	5.92
5	Water Content	NMT 0.50%	0.10%
6	Related Substances	i) 2-methyl-2-nitropropane-1,3-diol : 0.5%	0.00%
		ii) Tris(hydroxyl methyl)Nitromethane : 0.5%	0.03%
		iii) Any other Impurity : 0.1%	0.02%
7	Sulphated ash	NMT 0.1%	0.04%
8	Assay (OAB)	NLT 99.0% and NMT 101.0%	100.7% w/w