

**Chemical Name: Sodium Bromate**

molecular formula:  $\text{NaBrO}_3$

molecular weight: 150.9

CAS No.: 7789-38-0

H.S.CODE:2829.9000

**1 Grades & Specifications**

Appearance	white crystal or powder
Assay	99.5%Min
Weight Loss on drying	0.1% max
Bromide	0.05% max
Sulphate (calculated with $\text{SO}_4$ )%	0.01% max
Iron (Fe)	0.0005% max
Arsenic (As)	0.0002% max
Chloride and chlorate	0.05% max
Heavy metal(Pb)	0.0005% max
Light absorbency(20% solution)	0.12% max
P.H Value (5w/v)	5-7

**2. Applications**

2.1 mainly used as printing and dyeing auxiliary, hair-perm agent, chemical agent;

2.2 with sodium bromide, it is used as gold solvent in gold mines.

**3. other properties**

3.1 its density is 3.339( $7.5^\circ\text{C}/4^\circ\text{C}$ ) and melting point is  $381^\circ\text{C}$  (decomposed);

3.2 Its water solubility in water is 37.4g at  $25^\circ\text{C}$ , 90.9g at  $100^\circ\text{C}$  and It does not dissolve in alcohol;

3.3 It becomes flammable and may explode when mixed with sulphur, carbon and metal powder;

3.4 It reacts strongly with strong acid;

3.5 It burns when fricted or bumped;

3.6 This product is a strong oxidant with oxidizing grade 5.1.

**4. Packages**

Usually use 50Kg Paper Drums.

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