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| **TECHNICAL DATA SHEET** |  **Potassium Bromide**  |

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| http://2.bp.blogspot.com/-ghl2eRa5YAg/UORK62kTD4I/AAAAAAAAAj4/vJ0kvpBZqhA/s1600/Picture1.png |  | Product Name | : | POTASSIUM BROMIDE  |
| Brand Name | : | PB |
| Synonym | : | Bromide salt of Potassium; Tripotassium tribromide |
| CAS NO. | : | 7758-02-3 |
| Molecular Formula | : | KBr |
| **Description :**Under standard conditions, potassium bromide is a white crystalline powder. It is freely soluble in water; it is not soluble in acetonitrile. In a dilute aqueous solution, potassium bromide tastes sweet, at higher concentrations it tastes bitter, and tastes salty when the concentration is even higher.These effects are mainly due to the properties of the potassium ion—sodium bromide tastes salty at any concentration. In high concentration, potassium bromide strongly irritates the gastric mucous membrane, causing nausea and sometimes vomiting (a typical effect of all soluble potassium salts).This free flowing potassium Bromide meets, or surpasses, all guidelines for KBr to receive the IP/AR/LR | Molecular Weight | : | 199.0 g/mol. |
|  | Description  | : | A white crystalline powder. |
| Solubility  | : | Freely soluble in water. |
| Heavy metals | : | Max. 10 ppm  |
| pH (5% aq. Solution)  | : | 6.0 to 8.8  |
| Bromate  | : | No blue colour developes  |
| Arsenic  | : |  Limit max. 2 ppm  |
| Barium & Iron | : | 0.002 % |
| chloride  | : | Max. 0.6 %  |
| Sulphate  | : | Max. 100 ppm  |
| Sodium , Calcium & Magnesium | : | Max 0.05 %  |
| **Applications:*** Potassium Bromide is used for preparation of Optics.
* In addition to manufacture of silver bromide, potassium bromide is used as a restrainer in black and white [developer](https://en.wikipedia.org/wiki/Photographic_developer) formulas. It improves differentiation between exposed and unexposed crystals of silver halide, and thus reduces fog.
* It is also used in medically and veterinary.
* Potassium bromide is used as a veterinary drug, as an antiepileptic medication for dogs.
 |  | Loss on drying @ 1050C | : | Max 1.0 % |
|  | Assay (on dried basis)  | : | Not less than 99.0 & Not more than 100.5 % |
|  | HS Code | : | 28275120 |
| **Packing:** Net weight: 25 Kg with a tolerance of ± 0,02 Kg. Inside packing: double plastic bag Outside packing: HDPE box. |
| **Storage :** Keep container tightly closed. Keep container in a cool, well-ventilated area. |
| **Transportation:** Non hazardous material for transport. |
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