



Product name:

**Potassium bromide**

**Synonyms:** Hydrobromic Acid Potassium Salt

**CAS number:** 7758-02-3

|                             |                                                   |                                         |
|-----------------------------|---------------------------------------------------|-----------------------------------------|
| <i>General information:</i> |                                                   |                                         |
|                             | <b>Chemical formula:</b> KBr                      | <b>Molar Mass:</b> 119.01 g/mol         |
|                             | <b>Appearance:</b> white crystalline powder       | <b>Density:</b> 2.750 g/cm <sup>3</sup> |
|                             | <b>Solub. in water:</b> 650 g/l                   | <b>Melting Point:</b> 734 °C            |
|                             | <b>Bulk density:</b> 900 - 1000 kg/m <sup>3</sup> | <b>pH value.:</b> 5.0-6.0 (25 °C)       |
|                             | <b>Storage temp.:</b> +15°C to +25°C              | <b>Cautions:</b> irritant               |
|                             | <b>R:</b> N/A                                     | <b>S:</b> N/A                           |
|                             | <b>HS-No.:</b> 2827 51 00                         | <b>EC number:</b> 231-830-3             |

Hazard Symbol



Safety Information

Grade

ACS (Suitable for IR spectroscopy)

|                             |   |          |   |  |
|-----------------------------|---|----------|---|--|
| <b>Specification:</b>       |   |          |   |  |
| Assay                       | ≥ | 99.5     | % |  |
| Description                 |   | Conforms |   |  |
| Solubility                  |   | Conforms |   |  |
| Insoluble matters           | ≤ | 0.005    | % |  |
| pH (5%)                     |   | 5.0-8.8  |   |  |
| Bromate (BrO <sub>3</sub> ) | ≤ | 0.001    | % |  |
| Iodate (IO <sub>3</sub> )   | ≤ | 0.001    | % |  |
| Chloride (Cl)               | ≤ | 0.1      | % |  |
| Iodide (I)                  | ≤ | 0.001    | % |  |
| Sulfate (SO <sub>4</sub> )  | ≤ | 0.005    | % |  |
| Total nitrogen              | ≤ | 0.001    | % |  |
| Heavy metals                | ≤ | 0.0005   | % |  |
| Barium (Ba)                 | ≤ | 0.002    | % |  |
| Calcium (Ca)                | ≤ | 0.002    | % |  |
| Iron (Fe)                   | ≤ | 0.0005   | % |  |
| Magnesium (Mg)              | ≤ | 0.001    | % |  |
| Sodium (Na)                 | ≤ | 0.02     | % |  |
| Loss on drying              | ≤ | 0.5      | % |  |

| Ordering code | 10 g | 25 g | 50 g | 100 g           | 250g |
|---------------|------|------|------|-----------------|------|
| P.E.          |      |      |      |                 |      |
| Glass         |      |      |      | 535.16.00100.01 |      |