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Iodine Monobromide,

IBr 206.81 CAS RN®: 7789-33-5.—Black, gray, or blue-purple crystals, crystalline needles, or crystalline chunks.

Assay: Place about 100 mL of acetic acid in a 150-mL beaker. Separately dissolve 2 g of potassium iodide in a minimum volume of water, add this solution to the acetic acid, and mix. Transfer about 200 mg of Iodine Monobromide, accurately weighed, to the beaker containing the potassium iodide and acetic acid mixture, and stir to dissolve. Titrate immediately with 0.1 N sodium thiosulfate VS, determining the endpoint potentiometrically (see *Titrimetry* ⟨541⟩). Perform a blank determination, and make any necessary correction. Each mL of 0.1 N sodium thiosulfate is equivalent to 20.681 mg of IBr. Not less than 97.5% is found.

Auxiliary Information - Please check for your question in the FAQs before contacting USP.

Topic/Question	Contact	Expert Committee
IODINE MONOBROMIDE	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

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