

Status: Currently Official on 16-Feb-2025
 Official Date: Official as of 01-Jun-2023
 Document Type: Reagents
 DocId: GUID-AE38400A-5CCD-4C71-95B8-C9F01B73B822_2_en-US
 DOI: https://doi.org/10.31003/USPNF_R2334_02_01
 DOI Ref: x8wsp

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Change to read:

Potassium Bisulfate,

KHSO_4 136.17 CAS RN®: 7646-93-7.—Fused, white, deliquescent masses or granules. Very soluble in water. When ignited, it evolves SO_3 and H_2O , changing first to potassium pyrosulfate, then to sulfate.

Acidity: Dissolve 4 g, accurately weighed, in 50 mL of water, add phenolphthalein TS, and titrate with 1 N alkali: it contains between 34% and 36%, calculated as H_2SO_4 .

Insoluble Matter and Ammonium Hydroxide Precipitate: Dissolve 10 g in 100 mL of water, add methyl red TS, render slightly alkaline with ammonia TS, boil for 1 minute, and digest on a steam bath for 1 hour. Pass through a tared filtering crucible, wash thoroughly, and dry at 105° for 2 hours: the precipitate weighs not more than 1 mg (0.01%).

For the following tests, prepare a *Test solution* as follows. Dissolve 6 g in 45 mL of water, add 2 mL of hydrochloric acid, boil gently for 10 minutes, cool, and dilute with water to 60 mL.

Heavy Metals (Reagent test): To 30 mL of *Test solution* add phenolphthalein TS, and neutralize with ammonia TS. Add 0.5 mL of glacial acetic acid, dilute with water to 40 mL, and add 10 mL of hydrogen sulfide TS: any brown color produced is not darker than that of a control containing 10 mL of *Test solution* and 0.02 mg of added Pb (0.001%).

▲ **Iron (241), Procedures, Procedure 1** ▲ (CN 1-Jun-2023): To 5 mL of *Test solution* add 2 mL of hydrochloric acid, and dilute with water to 47 mL: the solution shows not more than 0.01 mg of Fe (0.002%).

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

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

Most Recently Appeared In:

Pharmacopeial Forum: Volume No. Information currently unavailable

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