

Status: Currently Official on 16-Feb-2025  
Official Date: Official Prior to 2013  
Document Type: Reagents  
DocId: GUID-184805D2-B419-445B-9991-1DB6F11C1D6B\_1\_en-US  
DOI: [https://doi.org/10.31003/USPNF\\_R2307\\_01\\_01](https://doi.org/10.31003/USPNF_R2307_01_01)  
DOI Ref: xxf6w

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## Phosphorus, Red,

P At. Wt. 30.97376—A dark red powder. Insoluble in water and in dilute acids; soluble in dehydrated alcohol.

**Yellow Phosphorus:** Shake 20 g with 75 mL of carbon disulfide in a glass-stoppered vessel, and allow to stand in the dark overnight. Filter, and wash the residue with carbon disulfide until the filtrate, collected in a graduated cylinder, measures 100 mL. Evaporate the solvent to 10 mL by immersing the cylinder in hot water. Dip a strip of cupric sulfate test paper in the remaining solvent: no more color is produced than in a similar strip dipped into 10 mL of solution in carbon disulfide containing 3 mg of yellow phosphorus (0.015% as P).

**Soluble Substances:** Digest 2 g with 30 mL of acetic acid on a steam bath for 15 minutes. Cool, dilute with water to 40 mL, and filter. Evaporate 20 mL of the filtrate on a steam bath, and dry at 105° for 2 hours: the residue weighs not more than 6 mg (0.6%).

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

Topic/Question	Contact	Expert Committee
PHOSPHORUS, RED	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

**Most Recently Appeared In:**

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