

Status: Currently Official on 15-Feb-2025  
Official Date: Official as of 01-May-2017  
Document Type: Reagents  
DocId: GUID-DC572AFA-95AA-445C-A2C4-B0DE9D5E22E6\_2\_en-US  
DOI: [https://doi.org/10.31003/USPNF\\_R3406\\_02\\_01](https://doi.org/10.31003/USPNF_R3406_02_01)  
DOI Ref: 98ujm

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## 0.01 M Lead Perchlorate VS

$Pb(ClO_4)_2$ , 406.10

Accurately pipet 100 mL of commercially available 0.1 M lead perchlorate solution into a 1000-mL volumetric flask, and dilute with [water](#) to volume.

**Standardization:** Accurately pipet 50 mL of 0.01 M lead perchlorate solution into a 250-mL conical flask. Add 3 mL of aqueous [hexamethylenetetramine](#) solution (2.0 g per 100 mL) and 4 drops of 0.5% xylene orange indicator prepared by adding 500 mg of [xylene orange](#) to 10 mL of [alcohol](#) and diluting with [water](#) to 100 mL. Titrate with [0.05 M edetate disodium VS](#) to a yellow endpoint.

$$M = \frac{\text{mL edetate disodium} \times M \text{ edetate disodium}}{50.0}$$

[NOTE—If this volumetric solution is used in a qualitative application such as pH adjustment, dissolution medium, or diluent, its standardization is not required.]

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

Topic/Question	Contact	Expert Committee
0.01 M LEAD PERCHLORATE VS	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

**Most Recently Appeared In:**

Pharmacopeial Forum: Volume No. PF 41(6)

**Current DocID:** [GUID-DC572AFA-95AA-445C-A2C4-B0DE9D5E22E6\\_2\\_en-US](#)

**Previous DocID:** [GUID-DC572AFA-95AA-445C-A2C4-B0DE9D5E22E6\\_1\\_en-US](#)

**DOI:** [https://doi.org/10.31003/USPNF\\_R3406\\_02\\_01](https://doi.org/10.31003/USPNF_R3406_02_01)

**DOI ref:** [98ujm](#)