Status: Currently Official on 15-Feb-2025
Official Date: Official Prior to 2013
Document Type: Reagents
DocId: GUID-8AED2C2E-A67E-4831-B47C-0FFBDC53108D_1_en-US
DOI: https://doi.org/10.31003/USPNF_R3009_01_01
DOI Ref: 71f4f

Litmus Paper, Blue

—Usually about 6 × 50 mm in size. It meets the requirements of the following tests.

Phosphate *(Reagent test)***:** Cut 5 strips into small pieces, mix with 500 mg of magnesium nitrate in a porcelain crucible, and ignite. To the residue add 5 mL of nitric acid, and evaporate to dryness: the residue shows not more than 0.02 mg of PO_4.

Residue on Ignition: Ignite carefully 10 strips of the paper to constant weight: the weight of the residue corresponds to not more than 0.4 mg per strip of about 3 square cm.

Rosin Acids: Immerse a strip of the blue paper in a solution of 100 mg of silver nitrate in 50 mL of water: the color of the paper does not change in 30 seconds.

Sensitiveness: Drop a 10- to 12-mm strip into 100 mL of 0.0005 N acid contained in a beaker, and stir continuously: the color of the paper is changed within 45 seconds. The 0.0005 N acid is prepared by diluting 1 mL of 0.1 N hydrochloric acid with freshly boiled and cooled purified water to 200 mL.

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

Topic/Question	Contact	Expert Committee
LITMUS PAPER, BLUE	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:
Pharmacopeial Forum: Volume No. Information currently unavailable

Current DocID: GUID-8AED2C2E-A67E-4831-B47C-0FFBDC53108D_1_en-US
DOI: https://doi.org/10.31003/USPNF_R3009_01_01
DOI ref: 71f4f