

Status: Currently Official on 15-Feb-2025

Official Date: Official Prior to 2013

Document Type: Reagents

DocId: GUID-4AF5BEF7-B3AE-4917-BF57-B13754622A2E_1_en-US

DOI: https://doi.org/10.31003/USPNF_R2050_01_01

DOI Ref: p0h29

© 2025 USPC

Do not distribute

Hematoxylin

(*Hydroxybrasilin*), $C_{16}H_{14}O_6 \cdot 3H_2O$ 356.32 CAS RN[®]: 517-28-2.—A crystalline substance derived from the heartwood of *Haematoxylon campechianum* Linné (Fam. Leguminosae). Colorless to yellow prisms. Very slightly soluble in cold water and in ether; rapidly soluble in hot water and in hot alcohol. When exposed to light, it acquires a red color and yields a yellow solution. Dissolves in ammonia TS and in solutions of alkali hydroxides and carbonates. When dissolved in solutions of the following salts, it develops the colors indicated: in alum solution, a red color; in stannous chloride solution, a rose color; and in solutions of cupric salts, a greenish-gray color. It gradually turns black in potassium dichromate solution. Store hematoxylin and its solutions protected from light and air.

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

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

Most Recently Appeared In:

Pharmacopeial Forum: Volume No. Information currently unavailable

Current DocID: [GUID-4AF5BEF7-B3AE-4917-BF57-B13754622A2E_1_en-US](#)

DOI: https://doi.org/10.31003/USPNF_R2050_01_01

DOI ref: [p0h29](#)