

Status: Currently Official on 16-Feb-2025  
 Official Date: Official as of 01-Aug-2024  
 Document Type: Reagents  
 DocId: GUID-5F590467-6A1C-40E1-912C-08F573EE3829\_2\_en-US  
 DOI: [https://doi.org/10.31003/USPNF\\_R2293\\_02\\_01](https://doi.org/10.31003/USPNF_R2293_02_01)  
 DOI Ref: ren6f

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**Change to read:**

## Phenyl Isocyanate,

$C_6H_5NCO$  119.12 CAS RN<sup>®</sup>: 103-71-9.—Clear, colorless to straw-yellow liquid of medium volatility. [**CAUTION**—Phenyl Isocyanate is a violent lacrimator, and the vapor is highly toxic. Handle with care.]

**Assay:** Transfer 250 mg, accurately weighed, to a glass-stoppered, 250-mL flask. Exercise care to avoid loss by volatilization, and avoid breathing the vapor. Add 20 mL of butylamine solution (25 g of butylamine diluted to 1000 mL with dioxane previously dried over potassium hydroxide pellets), insert the stopper in the flask, and allow to stand for 15 minutes. Add a few drops of methyl red TS and 25 mL of water, and titrate the excess amine with 0.1 N sulfuric acid VS. Perform a blank titration on 20 mL of the butylamine solution (see ▲ [Titrimetry \(541\)](#)▲ (CN 1-Aug-2024) ). Subtract the volume of 0.1 N sulfuric acid consumed in the test specimen titration from that consumed in the blank titration. Each mL of 0.1 N sulfuric acid, representing this difference, is equivalent to 11.91 mg of  $C_6H_5NCO$ : not less than 97.0% of  $C_6H_5NCO$  is found.

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

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

**Most Recently Appeared In:**

Pharmacopeial Forum: Volume No. Information currently unavailable

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