

Status: Currently Official on 13-Feb-2025
Official Date: Official Prior to 2013
Document Type: Reagents
DocId: GUID-555059C0-B24E-41B5-A06A-39D33A68EAF8_1_en-US
DOI: https://doi.org/10.31003/USPNF_R1706_01_01
DOI Ref: lk9r2

© 2025 USPC
Do not distribute

1-Benzylimidazole,

$C_{10}H_{10}N_2$ 158.20 CAS RN[®]: 4238-71-5.—White crystals.

Assay: Transfer about 40 mg, accurately weighed, to a 100-mL beaker. Dissolve in 50 mL of glacial acetic acid. Titrate with 0.1 N perchloric acid VS, determining the endpoint potentiometrically using a combination calomel-platinum electrode. Perform a blank determination and make any necessary correction. Each mL of 0.1 N perchloric acid is equivalent to 15.82 mg of $C_{10}H_{10}N_2$. Not less than 99% is found.

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

| Topic/Question | Contact | Expert Committee |
|-------------------|--|------------------|
| 1-BENZYLIMIDAZOLE | Margareth R.C. Marques Principal Scientific Liaison | HDQ Headquarters |

Most Recently Appeared In:

Pharmacopeial Forum: Volume No. Information currently unavailable

Current DocID: [GUID-555059C0-B24E-41B5-A06A-39D33A68EAF8_1_en-US](#)

DOI: https://doi.org/10.31003/USPNF_R1706_01_01

DOI ref: [lk9r2](#)

OFFICIAL