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1,2-Dimethoxyethane,

$C_4H_{10}O_2$ 90.12 CAS RN®: 110-71-4.—Clear, colorless liquid. Miscible with water and with alcohol. Soluble in hydrocarbon solvents.
May form peroxides on standing.

- **BOILING RANGE** (Reagent test): Not less than 95% distills between 83° and 86°.
- **REFRACTIVE INDEX(831)**: between 1.379 and 1.381, at 20°.
- **ACIDITY**: To 20 mL add bromophenol blue TS, and titrate with 0.020 N sodium hydroxide: not more than 2.0 mL is consumed (about 0.015% as CH_3COOH).
- **WATER DETERMINATION, Method I (921)**: not more than 0.2%.

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

| Topic/Question | Contact | Expert Committee |
|---------------------|--|------------------|
| 1,2-DIMETHOXYETHANE | Margareth R.C. Marques Principal Scientific Liaison | HDQ Headquarters |

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