

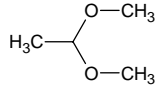
# acetaldehyde dimethyl acetal

## アセトアルデヒド ジメチル アセタール

Formula C<sub>4</sub>H<sub>10</sub>O<sub>2</sub>

Mol. Wt. 90.12

CAS No. 534-15-6



SEQ No. 23 エーテル類

FEMA No. 3426

JECFA No. 940

|                           | JFFMA                               | JECFA                             | FCC |
|---------------------------|-------------------------------------|-----------------------------------|-----|
| Chemical name             | acetaldehyde dimethyl acetal        | 1,1-Dimethoxyethane               |     |
| Content (NLT)             | 95.0 % (GC)                         | 96 %                              |     |
| Refractive index          | 1.363-1.373 (n <sub>20D</sub> )     | 1.365-1.367 (n <sub>20D</sub> )   |     |
| Specific gravity          | 0.851-0.871 (d <sub>20/20</sub> )   | 0.850-0.860 (d <sub>25/25</sub> ) |     |
| Acid value (NMT)          | 1.0                                 | 1.0                               |     |
| Melting/Congeeing point   |                                     |                                   |     |
| Angular/Specific rotation |                                     |                                   |     |
| Heavy metals (NMT)        |                                     |                                   |     |
| Solubility in ethanol     |                                     | miscible                          |     |
| Other requirements        |                                     |                                   |     |
| Identification*           | IR : 1,3,6<br>MS : 4,5<br>NMR : 3,6 | IR                                |     |

### \*References

- 1: Joint FAO/WHO Expert Committee on Food Additive (JECFA)
- 2: Food Chemicals Codex (FCC)
- 3: 有機化合物のスペクトルデータベース SDBS(独立行政法人産業技術総合研究所)
- 4: Wiley's Registry of Mass spectral Database
- 5: NIST/EPA/NIH Mass Spectral Library
- 6: Sigma-Aldrich