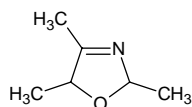


# 2,4,5-trimethyl-3-oxazoline

## 2,4,5-トリメチル-3-オキサゾリン

Formula C<sub>6</sub>H<sub>11</sub>NO

Mol. Wt. 113.16



CAS No. 22694-96-8

SEQ No. 2422 エーテル類

FEMA No. 3525

JECFA No. 1559

|                           | JFFMA                             | JECFA                             | FCC                               |
|---------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Chemical name             | 2,4,5-trimethyl-3-oxazoline       | 2,4,5-Trimethyl-delta-3-oxazoline | 2,4,5-Trimethyl δ-3-Oxazoline     |
| Content (NLT)             | 94.0 % (GC)                       | 94 %                              | 94.0 %<br>GC(M-1a)                |
| Refractive index          | 1.414-1.435 (n <sub>20D</sub> )   | 1.413-1.421 (n <sub>20D</sub> )   | 1.414-1.435 (n <sub>20D</sub> )   |
| Specific gravity          | 0.911-0.932 (d <sub>25/25</sub> ) | 0.913-0.920 (d <sub>25/25</sub> ) | 0.911-0.932 (d <sub>25/25</sub> ) |
| Acid value (NMT)          |                                   |                                   |                                   |
| Melting/Congeealing point |                                   |                                   |                                   |
| Angular/Specific rotation |                                   |                                   |                                   |
| Heavy metals (NMT)        |                                   |                                   |                                   |
| Solubility in ethanol     |                                   | Soluble                           |                                   |
| Other requirements        |                                   | SC: Trimethyloxazole              |                                   |
| Identification*           | IR :2<br>MS :4<br>NMR :1          | NMR                               | 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