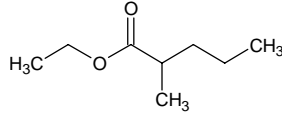


# ethyl 2-methylpentanoate

## エチル 2-メチルペンタノエート

Formula C<sub>8</sub>H<sub>16</sub>O<sub>2</sub>

Mol. Wt. 144.21



CAS No. 39255-32-8

SEQ No. 767 エステル類

FEMA No. 3488

JECFA No. 214

|                           | JFFMA                             | JECFA                             | FCC                               |
|---------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Chemical name             | ethyl 2-methylpentanoate          | Ethyl 2-methyl pentanoate         | Ethyl 2-Methylpentanoate          |
| Content (NLT)             | 98.0 % (GC)                       | 98 %                              | 98.0 %<br>GC(M-1b)                |
| Refractive index          | 1.401-1.407 (n <sub>20D</sub> )   | 1.401-1.404 (n <sub>20D</sub> )   | 1.401-1.404 (n <sub>20D</sub> )   |
| Specific gravity          | 0.863-0.869 (d <sub>20/20</sub> ) | 0.859-0.865 (d <sub>25/25</sub> ) | 0.859-0.865 (d <sub>25/25</sub> ) |
| Acid value (NMT)          | 1.0                               | 1.0                               | 1.0                               |
| Melting/Congeaing point   |                                   |                                   |                                   |
| Angular/Specific rotation |                                   |                                   |                                   |
| Heavy metals (NMT)        |                                   |                                   |                                   |
| Solubility in ethanol     |                                   |                                   | 1 mL in 1 mL 95% ethanol          |
| Other requirements        |                                   |                                   |                                   |
| Identification*           | IR :1,2,3<br>MS :3,4,5<br>NMR :3  | IR                                | 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