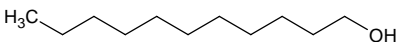


undecanol

ウンデカノール

Formula C₁₁H₂₄O 

Mol. Wt. 172.31

CAS No. 112-42-5

SEQ No. 2460 脂肪族高級アルコール類

FEMA No. 3097

JECFA No. 106

| | JFFMA | JECFA | FCC |
|---------------------------|--------------------------------------|-----------------------------------|-----------------------------------|
| Chemical name | undecanol | Undecyl alcohol | Undecyl Alcohol |
| Content (NLT) | 95.0 % (GC) | 97.0 % | 97.0 % GC(M-1a) |
| Refractive index | 1.435-1.445 (n ₂₀ D) | 1.437-1.443 (n ₂₀ D) | 1.437-1.443 (n ₂₀ D) |
| Specific gravity | 0.823-0.843 (d ₂₀ /20) | 0.820-0.840 (d ₂₅ /25) | 0.820-0.840 (d ₂₅ /25) |
| Acid value (NMT) | | | |
| Melting/Congeealing point | | | |
| Angular/Specific rotation | | | |
| Heavy metals (NMT) | | | |
| Solubility in ethanol | | 1ml in 4 ml of 60% alcohol | |
| Other requirements | | | |
| Identification* | IR :1,2,3,6 MS :3,4,5 NMR :3,6 | 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