

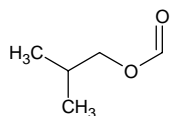
isobutyl formate

イソブチル ホーマート

Formula C₅H₁₀O₂

Mol. Wt. 102.13

CAS No. 542-55-2



SEQ No. 1344 エステル類

FEMA No. 2197

JECFA No. 124

| | JFFMA | JECFA | FCC |
|---------------------------|---|-----------------------------------|--------------------------|
| Chemical name | isobutyl formate | Isobutyl formate | Isobutyl Formate |
| Content (NLT) | 95.0 % (GC) | 94 % | 94.0 % GC(M-1b) |
| Refractive index | 1.381-1.391 (n _{20D}) | 1.383-1.390 (n _{20D}) | |
| Specific gravity | 0.881-0.891 (d _{20/20}) | 0.876-0.886 (d _{25/25}) | |
| Acid value (NMT) | 1.0 | | 2.0, add ice to solution |
| Melting/Congeealing point | | | |
| Angular/Specific rotation | | | |
| Heavy metals (NMT) | | | |
| Solubility in ethanol | | | 1 mL in 1 mL 95% ethanol |
| Other requirements | | SC: isobutyl alcohol | |
| 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