

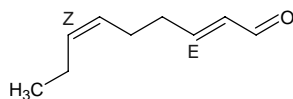
trans,cis-2,6-nonadienal

trans,cis-2,6-ノナジエナル

Formula C₉H₁₄O

Mol. Wt. 138.21

CAS No. 557-48-2



SEQ No. 1942 脂肪族高級アルデヒド類

FEMA No. 3377

JECFA No. 1186

| | JFFMA | JECFA | FCC |
|---------------------------|-----------------------------------|-----------------------------------|--|
| Chemical name | trans,cis-2,6-nonadienal | Nona-2-trans-6-cis-dienal | (E),(Z)-2,6-Nonadienal |
| Content (NLT) | 95.0 % (GC) | 92 % | 96.0 % sum of two isomers,90.0% major isomer |
| Refractive index | 1.468-1.478 (n _{20D}) | 1.470-1.475 (n _{20D}) | 1.470-1.475 (n _{20D}) |
| Specific gravity | 0.860-0.890 (d _{20/20}) | 0.850-0.870 (d _{25/25}) | 0.850-0.870 (d _{25/25}) |
| Acid value (NMT) | 2.0 | 2 | |
| Melting/Congeealing point | | | |
| Angular/Specific rotation | | | |
| Heavy metals (NMT) | | | |
| Solubility in ethanol | | soluble | 1 mL in 1 mL 95% ethanol |
| Other requirements | | SC: (E,E)-2,6-nonadienal | |
| Identification* | IR :1,2,6 MS :4,5 NMR :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