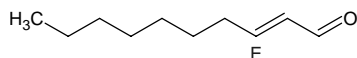


# trans-2-decenal

## trans-2-デセナール

Formula C<sub>10</sub>H<sub>18</sub>O



Mol. Wt. 154.25

CAS No. 3913-81-3

SEQ No. 506 脂肪族高級アルデヒド類

FEMA No. 2366

JECFA No. 1349

	JFFMA	JECFA	FCC
Chemical name	trans-2-decenal	2-Decenal	(E)-2-Decenal
Content (NLT)	92.0 % (GC)	92 % sum of cis/trans isomers	92.0 % one isomer/GC(M-1a)
Refractive index	1.450-1.462 (n <sub>20</sub> D)	1.452-1.458 (n <sub>20</sub> D)	1.452-1.457 (n <sub>20</sub> D)
Specific gravity	0.839-0.851 (d <sub>20</sub> /20)	0.836-0.846 (d <sub>25</sub> /25)	0.836-0.846 (d <sub>25</sub> /25)
Acid value (NMT)	10.0	10	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	1 mL in 1 mL 95% ethanol
Other requirements		SC: 2-Decenoic acid	
Identification*	IR :1,2 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