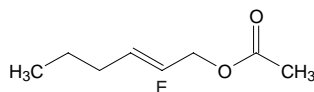


# trans-2-hexenyl acetate

## trans-2-ヘキセニル アセテート

Formula C<sub>8</sub>H<sub>14</sub>O<sub>2</sub>

Mol. Wt. 142.20



CAS No. 2497-18-9

SEQ No. 1142 エステル類

FEMA No. 2564

JECFA No. 1355

	JFFMA	JECFA	FCC
Chemical name	trans-2-hexenyl acetate	2-(E)Hexen-1-yl acetate	(E)-2-Hexenyl Acetate
Content (NLT)	95.0 % (GC)	90 %	98.0 % sum of (Z)- and (E)- isomers; min 90% (E) /GC(M-1a)
Refractive index	1.422-1.432 (n <sub>20D</sub> )	1.424-1.430 (n <sub>20D</sub> )	1.425-1.430 (n <sub>20D</sub> )
Specific gravity	0.893-0.903 (d <sub>20/20</sub> )	0.890-0.897 (d <sub>25/25</sub> )	0.890-0.897 (d <sub>25/25</sub> )
Acid value (NMT)	1.0	1	
Melting/Congeeing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	1 mL in 1 mL 95% alc
Other requirements		SC: (Z)-2-Hexenyl acetate	
Identification*	IR : 1,2,3,5 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