

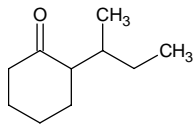
2-sec-butylcyclohexanone

2-sec-ブチルシクロヘキサノン

Formula C₁₀H₁₈O

Mol. Wt. 154.25

CAS No. 14765-30-1



SEQ No. 322 ケトン類

FEMA No. 3261

JECFA No. 1109

	JFFMA	JECFA	FCC
Chemical name	2-sec-butylcyclohexanone	2-sec-Butylcyclohexanone	2-sec-Butyl Cyclohexanone
Content (NLT)	97.0 % (GC)	94 %	97.0 % GC(M-1b)
Refractive index	1.456-1.462 (n _{20D})	1.454-1.461 (n _{20D})	1.456-1.462 (n _{20D})
Specific gravity	0.913-0.919 (d _{20/20})	0.911-0.917 (d _{25/25})	0.910-0.915 (d _{25/25})
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Miscible at room temperature	1 mL in 1 mL 95% ethanol
Other requirements		SC: 2-Isobutyl cyclohexanone	
Identification*	IR :2,6 MS :4 NMR :1	NMR	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