

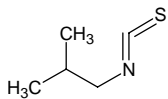
isobutyl isothiocyanate

イソブチル イソチオシアネート

Formula C₅H₉NS

Mol. Wt. 115.20

CAS No. 591-82-2



SEQ No. 1349 イソチオシアネート類

FEMA No. 4424

JECFA No. 1886

	JFFMA	JECFA	FCC
Chemical name	isobutyl isothiocyanate	Isobutyl isothiocyanate	
Content (NLT)	95.0 % (GC)	97 %	
Refractive index	1.491-1.501 (n _{20D})	1.491-1.499 (n _{20D})	
Specific gravity	0.935-0.951 (d _{20/20})	0.935-0.945 (d _{25/25})	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements			
Identification*	IR :3 MS :1,3,4,5 NMR :3	MS	

*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