

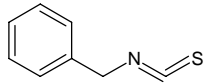
benzyl isothiocyanate

ベンジル イソチオシアネート

Formula C₈H₇NS

Mol. Wt. 149.21

CAS No. 622-78-6



SEQ No. 228 イソチオシアネート類

FEMA No. 4428

JECFA No. 1562

	JFFMA	JECFA	FCC
Chemical name	benzyl isothiocyanate	Benzyl isothiocyanate	
Content (NLT)	98.0 % (GC)	97 %	
Refractive index	1.600-1.606 (n _{20D})	1.600-1.606 (n _{20D})	
Specific gravity	1.124-1.130 (d _{20/20})	1.121-1.127 (d _{25/25})	
Acid value (NMT)		1	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements			
Identification*	IR :3 MS :3,4,5 NMR :1	NMR	

*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