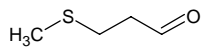


methional

メチオナル

Formula C₄H₈OS



Mol. Wt. 104.17

CAS No. 3268-49-3

SEQ No. 1550 チオエーテル類

FEMA No. 2747

JECFA No. 466

	JFFMA	JECFA	FCC
Chemical name	methional	3-(Methylthio)propion aldehyde	3-Methylthiopropion aldehyde
Content (NLT)	90.0 % (GC)	98 %	98.0 % GC(M-1a)
Refractive index	1.479-1.493 (n ₂₀ D)	1.479-1.493 (n ₂₀ D)	1.484-1.493 (n ₂₀ D)
Specific gravity	1.037-1.060 (d ₂₀ /20)	1.037-1.052 (d ₂₅ /25)	1.038-1.048 (d ₂₅ /25)
Acid value (NMT)	10.0	10.0	
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 1 ml 95% alcohol	1 mL in 1 mL 95% alc
Other requirements			
Identification*	IR :1,2,6 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