



# Certificate of analysis

Product name:Thiotepa

Cas number:52-24-4

Molecular Formula: C6H12N3PS

Molecular Weight: 89.22

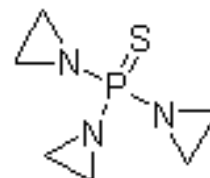
Date of production:July.02,2018

Batch No. 20180702

EXP. Date July.01,2020

Retest time:Sep.29,2019

Chemical structure:



检验项目 Test	标准规定 Specification	检验结果 Result
外观 Appearance	白色片状晶体 White crystalline flakes	符合规定 Conform
溶解性 Solubility	易溶于水, 氯仿和 96%乙醇 Freely Soluble in water ,in chloroform And in ethanol(96%)	符合规定 Conform
熔点 Melting Point	52°C~57°C	52.8°C~55.0°C
质谱鉴别 Identification By MS	样品与对照品质谱均一致 The MS spectra of standard and sample is concordant.	符合规定 Conform
核磁氢谱鉴别 Identification By H NMR	样品与对照品核磁氢谱均一致 The H NMR spectra of standard and sample is concordant.	符合规定 Conform
硫化物鉴别反应 Identification for sulfide	呈正反应 Responds to the test	呈正反应 Responds to the test
氧气燃烧鉴别反应 Identification for Oxygen-flask combustion	应符合规定 Be Conform	符合规定 Conform
抗坏血酸鉴别反应 Identification for L-ascorbic acid	溶液颜色变蓝 A blue colour is procuced	符合规定 Conform
溶液澄清度与颜色 Clarify and color	应符合规定 Be Conform	符合规定 Conform
水分 Water	不得过 0.5% Not more than 0.5 percent	符合规定 Conform
有关物质 Retated Substance	氯加成物不得过 0.15% The Chloro-adduct largest impurity≤0.15% 其他单杂质不得过 0.1% Any other single impurity ≤0.1% 总杂不得过 2.0% Total impurities≤2.0%	符合规定 Conform
Assay (Titration)	97.0%~102.0 %(contains C6H12N3PS on anhydrous basis)	99.9%

stored at a temperature of 2° to 8°. At higher temperatures it polymerises and becomes inactive

**Conclusion: It complies with the Enterprise Standard.**

Analyst:Zhao

Checker:Liu

Q.C Director: Fang F

