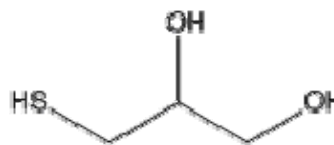


## Certificate Of Analysis

**Name:** 3-Mercapto-1,2-propanediol  
**CAS No.:** 96-27-5  
**Cat No.:** A858697  
**Molecular Formula:** C<sub>3</sub>H<sub>8</sub>O<sub>2</sub>S  
**Molecular Weight:** 108.16  
**Batch No.:** M08072020  
**Mfg.Date:** 2020.07.08  
**Exp.Date:** 2022.07.07



Items	Specifications	Results
<b>Description</b>	A clear colorless and viscous liquid, with a mild sulfidic order	Conforms
<b>Assay</b>	97.0~101.0%	99.9%
<b>Color,APHA</b>	≤10	4
<b>Iron (Fe) ,ppm</b>	≤10	<2
<b>Heavy metals (as pb, ppm)</b>	≤20	<10
<b>Selenium, ppm</b>	≤30	<1
<b>Ph (10%in water)</b>	3.5~7.0	5
<b>Flash Point, °C</b>	≥230	231
<b>Refractive index (@25°C)</b>	1.5210~1.5260	1.5233
<b>Residue on ignition (@105°C)</b>	≤0.1%	0.006%
<b>Specific gravity (@25°C)</b>	1.2410~1.2500	1.2483
<b>Infrared spectrum</b>	Confirm to the reference standard	Conforms
<b>Water by distillation, %</b>	≤5.0	0.19
<b>Solubility (10%in ethanol)</b>	Pass	Conforms
<b>Solubility (10%in water)</b>	Pass	Conforms
<b>Sulfides</b>	Pass	Conforms
<b>Organic volatile impurities, ppm</b>	≤100	11

<b>Storage</b>	Preserve in tight containers	Conforms
<b>Conclusion</b>	The batch conforms to the USP42standard	

**Storage condition: Store in a tightly closed container in a cool and dry place.**

Checker:

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\*If you have any comments and suggestions, please contact us by [sales@amadischem.com](mailto:sales@amadischem.com)

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