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Plot no. 1116/P, Lamadapura Road,  
Manjusar – 391 775,  
Ta- Savli, Dist. Vadodara, Gujarat, India

**Quality Control****Standard Test Specifications****Title: Thiourea AR****Page No.: 1 of 3**


<b>Specification No.:</b> ACPL/FP/SP/046	<b>Revision No.:</b> 00	<b>Effective Date</b> 11/09/2021	<b>Review Date</b> 10/09/2024
<b>Change Control No.</b>	NA		

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## Quality Control

### Standard Test Specifications

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Page No.: 2 of 3

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#### 1.0 SAMPLING LEVEL:

As mentioned in the “Sampling procedure” SOP.

#### 2.0 SAMPLING METHOD TO BE FOLLOWED:

100% sampling to be done from each container.

#### 3.0 TOTAL COMPOSITE SAMPLE TO BE COLLECTED :

100 gm

#### 4.0 RETEST DATE : Three year

#### 5.0 CAS No: 62-56-6

#### 6.0 MOLECULAR FORMULA: CH<sub>4</sub>N<sub>2</sub>S

#### 7.0 MOLECULAR WEIGHT: 76.12 gm/mol.

#### 8.0 CATEGORY: Excipients

#### 9.0 STORAGE: In airtight container.

#### 10.0 SAFETY PRECAUTIONS TO BE TAKEN WHILE SAMPLING AND HANDLING :

Use hand gloves, goggles and apron during Handling.

#### 11.0 CONTROL SAMPLE: 3 X 100gm.

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## TEST PARAMETERS AND SPECIFICATIONS

REF: AR

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Description	White Solid
2.	Solubility in Water	Clear & colorless
3.	Melting Range	174°C - 177°C
4.	Performance	To Pass Test
5.	Iron as Fe	Max. 5 ppm
6.	Thiocynate	Max. 500 ppm
7.	Loss on drying @ 105°C for 2 Hrs.	NMT 0.5 %
8.	Water Insoluble Matter	Max. 50 ppm
9.	Residue On Ignition as SO <sub>4</sub>	Max. 500 ppm
10.	Assay (Dried Basis)	Min. 99.0 %

## REVISION HISTORY:

Revision No.	Effective Date	Revision Description	Change Control No.
00	11/09/2021	First Issuance	N A

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