
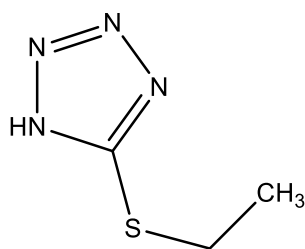


| | | | |
|--|-----------------------------------|-----|---------------------|
|  | VISHWA-SYNTHARO PHARMACHEM | | Rev: 00 |
| | SPECIFICATIONS | | Date: December 2020 |
| | 5-(Ethylthio)-1H-tetrazole | ETT | |



| | | | |
|--------------------|--|---|----------|
| IUPAC Name: | 5-Ethylthio-1 <i>H</i> -tetrazole | Pharmacopeial Standard (if any): | None |
| CAS #: | 89797-68-2 | Specification based on: | In-house |
| Formula: | C ₃ H ₆ N ₄ S | Mol. Wt.: | 130.17 |

| | TESTS | SPECIFICATION | TEST METHOD |
|----|------------------------------------|--|-----------------------|
| 1. | Appearance | White to light orange solid | STP-QC-001 |
| 2. | Identification | | |
| | Retention time (by HPLC) | Retention time of the main peak in the HPLC chromatogram should matches that of reference standard | STP-QC-012 |
| | Melting Range | Report result (Lit: 84 – 90°C) | STP-QC-006 |
| 3. | Purity (by HPLC; % area) | NLT 98 % | HPLC with UV detector |
| 4. | Assay (by Titration ODB) | NLT 98 % | STP-QC-007 |
| 5. | Loss on Drying (% w/w) | Report result | STP-QC-005 |
| 6. | Residue on Ignition (% w/w) | Report result | USP <281> |