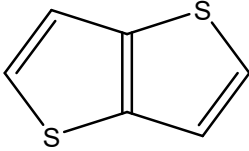


CERTIFICATE OF ANALYSIS

Date: 12/08/2016

| | | Conformity |
|--------------------------|---|---------------|
| Name | Thieno[3,2-b]thiophene | |
| Molecular Formula | $C_6H_4S_2$ | Yes |
| CAS. No. | 251-41-2 | Yes |
| M.W. | 104.23 | Yes |
| Structure |  | Yes |
| Appearance | white solid | Yes |
| Purity | $\geq 98\%$ | 99.87% |
| Net weight | 500g | 500g |
| Production Lot# | 20160812 | |

Auth: zhanglei