

CERTIFICATE OF ANALYSIS

| Product Name | Sulfolane |
|-----------------|-----------|
| CAS No. | 126-33-0 |
| QUSNTITY | |
| BATCH NO | |
| MANUFACTRE DATE | |
| REPORT DATE | |
| EXPIRY DATE | |

| Chemical Composition | Standard (%) | Specimen (%) |
|----------------------------------|---|--------------|
| Appearance | Colorless to light yellow transparent liquid | Qualified |
| Density(30°C) | 1.260-1.270 | 1.2615 |
| 5% distillation temperature(C) | ≥282 | 285.2 |
| 90% distillation temperature(°C) | ≤288 | 285.8 |
| Thermalstability(mgSO2/kg) | ≤16 | 11.75 |
| Moisture content, w%(m/m) | ≤0.1 | 0.025 |
| Sulfur content, w%(m/m) | 26.0-27.0 | 26.44 |
| 2-Sulfolene (m/m) | ≤0.1 | 0.018 |
| Isopropyl sulfolene ether (m/m) | ≤0.01 | / |
| Content (dry basis), w% | ≥99.5 | 99.9 |
| Ash content,w%(m/m) | ≤0.01 | 0.0042 |
| Conclusion | PASS | |