

Tangshan Moneide Trading Co., Ltd.



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CERTIFICATE OF ANALYSIS

Date of Report: March 3rd, 2015

| | |
|---|------------------|
| Product Name Methane sulfonic acid | Structure |
| CAS No. 75-75-2 | |
| Molecular Formula CH ₄ O ₃ S | |
| Molecular Weight 96.10 | |
| Batch No. 20150303 | |
| Package 250KG/Drum | |

This is to certify that our inspection result of above-mentioned product is as follows:

| No. | Items | Specifications | Results |
|-----|---|------------------|----------|
| 1 | Appearance | Colorless liquid | Complies |
| 2 | Assay | 70.0% min. | 70.42% |
| 3 | Color | 10 Hazen max. | <10 |
| 4 | Fe | 5ppm max. | 1.0ppm |
| 5 | Pb | 5ppm max. | 0.9ppm |
| 6 | Chloride(Cl ⁻) | 10ppm max. | 5ppm |
| 7 | Sulfate(SO ₄ ²⁻) | 30ppm max. | 20ppm |
| 8 | Oxidizable impurity | 10ppm max. | 5ppm |
| | Conclusion | Qualified | |

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