

# Certificate of Analysis

**Product:** 2-Methyl-1-Butanol  
**Synonyms:** 2-Methyl butanol; Active Amyl Alcohol  
**Grade:** Fragrance grade  
**Order No.:** 1768  
 生产批次: 数量:  
**Batch No.:** 20121130 **Quantity:** 5000.00KGS  
 生产日期: 保质期:  
**MFG. Date:** 30th Nov., 2012 **Shelf life:** 29th Nov., 2013

| Item                           | Standard                                        | Result |
|--------------------------------|-------------------------------------------------|--------|
| Appearance                     | Colorless to pale yellow liquid                 | Pass   |
| Odor                           | Characteristic pungent odor and repulsive taste | Pass   |
| Assay(GLC)                     | ≥99.00%                                         | 99.50% |
| Refractive Index (20°C)        | 1.406-1.414                                     | 1.407  |
| Specific Gravity (25.0/25.0°C) | 0.807-0.813                                     | 0.809  |
| Conclusion                     | Qualified.                                      |        |

BELEADER INDUSTRIAL CO. LIMITED

For and on behalf of  
**BELEADER INDUSTRIAL CO., LIMITED**  
 百利德實業有限公司

Issued Date: 08<sup>th</sup> Dec., 2012

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*Crane Tang*  
 Authorized Signatire(s)