



CERTIFICATE OF ANALYSIS

Date: 27/01/13

PRODUCT NAME : L-THREONINE FOR BIOCHEMISTRY

CAS No : 72- 19- 5
Mol. Formula : C₄H₉NO₃
Mol. WT : 119.12

Product code : 54060
Batch No : MCR-6267
Mfd. : Jan. 2013

| S. R | Test | Specification | Observation |
|------|--|---------------------------|-------------|
| 1 | Assay(HClO ₄ titration) | 99% min | 99.04% |
| 2 | Specific rotation [α] ²⁰ _D C =2, water | - 29 to - 27 ⁰ | -29 |
| 3 | Loss on drying at 105°C | 0.5%max | 0.091% |
| 4 | Chloride (Cl) | 0.01%max | <0.01% |
| 5 | Sulphate (SO ₄) | 0.01%max | <0.01% |
| 6 | Iron (Fe) | 0.001%max | <0.001% |
| 7 | Heavy metals (Pb) | 0.001%max | <0.001% |
| 8 | Ammonium (NH ₄) | 0.01%max | <0.01% |

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

HEAD-QUALITY ASSUARANCE
(G.G.Salian)

Note: Computer generated image requires no sign.