



## **CERTIFICATE OF ANALYSIS**

Date : 21/03/13

**PRODUCT NAME : THIAMINE HYDROCHLORIDE FOR BIOCHEMISTRY  
(VITAMIN B<sub>1</sub>)**

|                     |                                                            |                     |                     |
|---------------------|------------------------------------------------------------|---------------------|---------------------|
| <b>CAS No</b>       | <b>: 67-03-8</b>                                           | <b>Product code</b> | <b>: 19400</b>      |
| <b>Mol. Formula</b> | <b>: C<sub>12</sub>H<sub>17</sub>N<sub>4</sub>OSCl.HCl</b> | <b>Batch No</b>     | <b>: MCR-6503</b>   |
| <b>Mol. WT</b>      | <b>: 337.27</b>                                            | <b>Mfd.</b>         | <b>: March 2013</b> |

| S. R | Test                                | Specification | Observation |
|------|-------------------------------------|---------------|-------------|
| 1    | Assay                               | 99% min       | 99.55%      |
| 2    | pH (2.5 %W/v aq solution)           | 2.7 - 3.3     | 2.77        |
| 3    | Loss on drying (105 <sup>0</sup> C) | 5 % max       | 2.64%       |

**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.

**MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA)  
Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : [info@molychem.net](mailto:info@molychem.net)  
Works: Plot No./9, Badlapur M.I.D.C.,OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503**