



Huanggang LUBAN Pharmaceutical CO., LTD.

Add: Medicine park, Longganhu administrative district, Huanggang City, Hubei province, China.

### CERTIFICATE OF ANALYSIS

Version: 00

| Product Name: Trityl olmesartan ethyl ester  |                           |                  |
|--|---------------------------|------------------|
| CAS Number: 144690-33-5  | MFG Date: 19 Mar.2015     |                  |
| Lot No.: 20150304  | Retest Date: 18 Mar.2017  |                  |
| Specification Standard: In-house   | Report Date: 20 Mar.2015  |                  |
| Storage: Stored in a well-closed container at room temperature.  |                           |                  |
| Other Info: N/A  |                           |                  |
| TESTS  | SPECIFICATIONS            | RESULTS          |
| Description  | White to off-white powder | Off-white powder |
| Water  | NMT 1.0%                  | 0.04%            |
| Residue on ignition  | NMT 0.5%                  | 0.15%            |
| Impurity I   | NMT 0.1%                  | Not detected     |
| Impurity II  | NMT 0.1%                  | Not detected     |
| Impurity III   | NMT 0.5%                  | 0.01%            |
| Other maximum single impurity  | NMT 1.0%                  | 0.34%            |
| Purity ( HPLC )  | NLT 98.0%                 | 99.02%           |
| Remark:<br>Impurity I : 4-(1-Hydroxy-1-methylpropyl)-2-propyl-1-[[2'-[1-(triphenylmethyl)-1H-tetrazol-5-yl] [1,1'-biphenyl]-4-yl] methyl]-1H-Imidazole-5-carboxylic ethyl ester<br>Impurity II : 4-(1-Methoxy-1-methylethyl)-2-propyl-1-[[2'-[1-(triphenylmethyl)-1H-tetrazol-5-yl] [1,1'-biphenyl]-4-yl] methyl]-1H-Imidazole-5-carboxylic ethyl ester<br>Impurity III: 4-Isopropenyl-2-propyl-1-[[2'-[1-(triphenylmethyl)-1H-tetrazol-5-yl][1,1'- biphenyl]-4-yl]-methyl] -1H-Imidazole-5-carboxylic ethyl ester |                           |                  |
| Conclusion: The product complies as per above specification.   |                           |                  |

Reported by:

Approved by:

