




BEIJING YUNBANG BIOSCIENCES CO.,LTD

CERTIFICATE OF ANALYSIS

|  |   |                 |
|--|---|-----------------|
| DESCRIPTION OF GOODS:  | Doxylamine succinate  |                 |
| MF: C21H28N2O5   | MW: 388.46  |                 |
| Mfg Date: 2015.11.18   | Exp.Date: 2018.11.17  |                 |
| QCS: USP38   | CAS NO.: 562-10-7   |                 |
| BATCH NO: YB20151118   | QUANTITIES: 50kg  |                 |
| ANALYSIS RESULTS   |   |                 |
| ITEMS  | STANDARD  | RESULTS         |
| Apperance  | White to off-white powder   | White powder    |
| Assay  | 98.0%~101.0%  | 100.5%          |
| Identification<br>A: UV absorption   | absorptivities at<br>262nm, calculated on the dried basis, do<br>not differ by more than 3.0% | Conforms        |
| B: Organic nitrogeous<br>bases test  | Shall conform   | Conforms        |
| C: Identification for Succinic<br>acid   | 184°C~188°C   | 184.1°C~186.1°C |
| Melting range  | 103°C~108°C   | 103.3°C~104.6°C |
| Residue on Ignition  | ≤0.1%   | 0.04%           |
| Loss on drying   | ≤0.5% dry basis   | 0.06%           |
| Volatile related compounds   | individual impurity: ≤0.5%<br>total impurities: ≤1.0%   | 0.05%<br>0.2%   |
| Residual solvents  | isopropanol ≤0.5%<br>toluene ≤0.089%  | 0.08%<br>0.001% |
| <div style="text-align: center;">  </div> |   |                 |
| CONCLUSION   |   |                 |
| Complies with USP38  |   |                 |

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