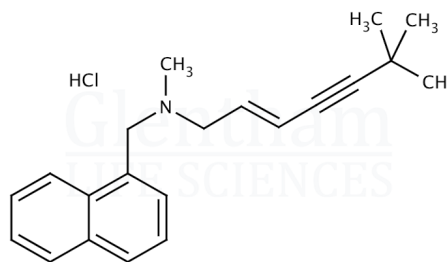


Certificate of Analysis

| | |
|-------------------|-------------------------------------|
| Product Name | Terbinafine hydrochloride, EP grade |
| Glentham Code | GA9882 |
| CAS Number | 78628-80-5 |
| MDL Number | MFCD00145430 |
| Additional CAS | 91161-71-6 |
| Batch Number | 111ARJ |
| Molecular Weight | 327.89 |
| Molecular Formula | $C_{21}H_{25}N \cdot HCl$ |
| Storage Temp. | +20°C |



| Property | Specification | Batch 111ARJ |
|--------------------------------|------------------------------|----------------|
| Physical Description | White or almost white powder | Conforms |
| Identification (IR) | To conform to standard | Conforms |
| Identification | To pass test B | Conforms |
| Impurity B | $\leq 0.15\%$ | $\leq 0.05\%$ |
| Impurity E | $\leq 0.05\%$ | $\leq 0.05\%$ |
| Any Unspecified Impurity | $\leq 0.1\%$ | 0.03% (max.) |
| Total Impurities | $\leq 0.3\%$ | 0.10% |
| Sulphated Ash | $\leq 0.1\%$ | 0.06% |
| Loss on Drying | $\leq 0.5\%$ (105°C) | 0.09% |
| Assay | 99.0 - 101.0 % (dried basis) | 99.7% |
| Pharmacopoeia Specification(s) | EP | Conforms to EP |

| | |
|-----------------------|------------|
| Specification Version | v1.0 |
| Manufacture Date | 2017-08-15 |
| Re-Test Date | 2027-10-19 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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