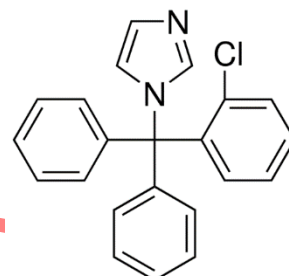


## Certificate of Analysis

**Product Name:** Clotrimazole working standard  
**Trade Name:**  
**Product Number:** Hamy04  
**Batch Number:**  
**Brand:**  
**CAS Number:**  
**Formula:** C<sub>22</sub>H<sub>17</sub>N<sub>2</sub>Cl  
**Formula Weight:** 344.84 g/mol  
**Storage Temperature:** RT  
**Quality Release Date:**  
**PubChem Preview ID:** -



**Application Note:** For peak identification. Is soluble in chloroform (50 mg/ml) It has been reported to be soluble in alcohol, ethyl acetate, acetone, and dimethylformamide.1,2 The solubility of this product in DMSO has been reported to be 25 mM

Test	Specification	Result
Appearance (Color)	???	?????
Appearance (Form)	????	?????
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	-
Identification (IR, RT in HPLC, melting point)		
Loss on drying		
Heavy metal		
Residue on ignition		
Organic impurities		
Limit of imidazole		
Assay		

**Method Summary**

**HPLC** – Analytical HPLC analysis was carried out using reverse-phase chromatography under the following conditions:

Column: **Waters Xbridge OST C18 (4.6 x 50 mm, 2.5 μm)**

Wavelength: 210 nm

Flow: **1.0 mL/min.**

HPLC data and Chromatogram			
Sample Name:	???	Injection Volume:	???
Vial Number:	???	Channel:	???
Sample Type:	???	Wavelength:	?? nm
Control Program:	???	Bandwidth:	???
Quantified Method:	???	Dilution Factor:	??,000
Recording Time:	???	Sample Weight:	???
Run Time (min):	???	Sample Amount:	???

No.	Ret.Tim min	Peak name	Width min	Height mAU	Area mAU*min	Real area %	Amount	Type
1	???	n.a.	???????	?????	?????	???	n.a.	MM
2								
3								
<b>Total:</b>				???	?????	100		

Maryam Yousefi /PhD,  
Supervisor Quality Assurance

HamyLab warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact technical service ([hamylabs@gmail.com](mailto:hamylabs@gmail.com)). Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

تمام اطلاعات موجود تولید و فروش از سازمان دیپصلاح