

CERTIFICATE OF ANALYSIS

Product Name	Helvolic acid (Fumigacin)
Source	From Cephalosporium caerulens
Molecular Formula	C₃₃H₄₄O₈
Molecular Weight	568.70
CAS Number	29400-42-8
Lot Number	HV001A
Test	Results
Appearance	White powder
Solubility*	CH ₂ Cl ₂ / EtOAc: DMSO: Clear colorless solution at 10mg/ml
TLC (NP, Toluene: EtOAc; HCOOH 6: 3: 1)	99%
TLC (NP, DCM: EtOAc 7: 3)	99%
TLC (RP C18, Methanol: H ₂ O 9: 1)	99%
Detection:	Spray with H ₂ SO ₄ and heat
HPLC (Gradient ACN +TFA: 0.1% TFA, 229 nm)	99.5%
Melting point	212-213°C

*Helvolic acid may be soluble in other solvents.

Expiration date: December 2019

December 26, 2016

Yosef Behrend Ph.D

