

CERTIFICATE OF ANALYSIS

PRODUCT: **Fumonisin B₁**
[Macrofusine]; from *Fusarium moniliforme*
Ceramide synthase inhibitor
C₃₄H₅₉NO₁₅ • H₂O, M.W. 721.8, CAS# [116355-83-0]

PRODUCT NUMBER: F-1022

LOT NUMBER: D1170

APPEARANCE: Beige powder

SOLUBILITY: Soluble in methanol: Clear colorless solution at 5 mg/mL.

PURITY (TLC): 96% NP, CH₂Cl₂, methanol, ACOH, H₂O (60:40:1:9)
97% RP C18, methanol, KCl 4% (4:1)
**DETECTION: Spray with H₂SO₄ and heat*

PURITY (HPLC): 99.53% (OPA, J. Chromatog. 879, 2239, (2011))

	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>
ELEMENTAL ANALYSIS (+ H₂O):	C: 55.21%	C: 54.63%
	H: 8.21%	H: 7.79%
	N: 1.89%	N: 7.75%

PRODUCT DESCRIPTION: A carcinogenic mycotoxin. An inhibitor of sphingosine biosynthesis.

STORAGE & HANDLING: Store desiccated at +4°C. For long term storage, store at -20°C. Stock solutions are stable for up to 3 months at -20°C.

WARNING: VERY TOXIC! POTENTIAL CARCINOGENIC!

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified:

