

CERTIFICATE OF ANALYSIS

PRODUCT: **Fumonisin B₂**
[Macrofusine] from *Fusarium moniliforme*
Ceramide synthase inhibitor
C₃₄H₅₉NO₁₄, M.W. 705.8, CAS# [116355-84-1]

PRODUCT NUMBER: F-1024

LOT NUMBER: F1108

APPEARANCE: White to off-white powder (beige powder)

SOLUBILITY: Clear colorless solution at 5 mg/ml in MeOH.

PURITY (TLC): > 97% NP, CH₂Cl₂, methanol, HOAc, H₂O (60:40:1:9)
> 97% RP C18, CH₃CN, H₂O (9:1)
**DETECTION: Spray with p-Anisaldehyde (0.5 GM in methanol: HOAc; H₂SO₄ 85:10:5 solution) and heat*

PURITY (HPLC): > 98.0% (OPA, J. Chromatog. 879, 2239, (2011))

	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>
ELEMENTAL ANALYSIS:	C: 57.58%	C: 56.27%
	H: 8.36%	H: 8.23%
	N: 1.98%	N: 1.87%

PRODUCT DESCRIPTION: Structural analog of Fumonisin B1. Fumonisin B₂ is more cytotoxic than Fumonisin B1. Fumonisin B₂ inhibits sphingosine acyl-transferase.

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: KS