

## CERTIFICATE OF ANALYSIS

**PRODUCT:** **Fumonisin B<sub>2</sub>**  
[Macrofusine] from *Fusarium moniliforme*  
Ceramide synthase inhibitor  
C<sub>34</sub>H<sub>59</sub>NO<sub>14</sub>, M.W. 705.8, CAS# [116355-84-1]

**PRODUCT NUMBER:** F-1024

**LOT NUMBER:** E1288

**APPEARANCE:** Off-white powder

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

**PURITY (TLC):** > 97% NP, CH<sub>2</sub>Cl<sub>2</sub>, methanol, HOAC, H<sub>2</sub>O (60:40:1:9)  
> 97% RP C18, CH<sub>3</sub>CN, H<sub>2</sub>O (9:1)  
*\*DETECTION: Spray with p-Anisaldehyde (0.5 GM in methanol: HOAC; H<sub>2</sub>SO<sub>4</sub> 85:10:5 solution) and heat*

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

	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>
<b>ELEMENTAL ANALYSIS (+ H<sub>2</sub>O):</b>	C: 57.58% H: 8.36% N: 1.98%	C: 56.27% H: 8.23% N: 1.87%

**PRODUCT DESCRIPTION:** Structural analog of Fumonisin B1. Fumonisin B<sub>2</sub> is more cytotoxic than Fumonisin B1. Fumonisin B<sub>2</sub> inhibits sphingosine acyl-transferase.

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**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: AZ