



CERTIFICATE of ANALYSIS

PRODUCT:	Zearalenone [Benzoxacyclotetradecin-1,7(8H)-dione] C ₁₈ H ₂₂ O ₅ , M.W. 318.4, CAS# [17924-92-4]
PRODUCT NUMBER:	Z-1005
LOT NUMBER:	B1278
APPEARANCE:	Off-white powder
SOLUBILITY:	Clear colorless solution at 5 mg/ml MeOH
PURITY (HPLC):	98.95%
PURITY (TLC):	>99% (RP C18, MeOH: H ₂ O 9:1)
PURITY (TLC):	99% (NP, DCM, acetone 9:1) <i>*Detection: Spray with H₂SO₄ and heat</i>
MELTING POINT:	167°C
λ MAX:	235, 274, 313nm (MeOH)
STORAGE & HANDLING:	Storage at -20°C is recommended. <u>WARNING: TOXIC!</u> MAY BE CARCINOGENIC! CORROSIVE!

CAUTION: For laboratory research & scientific manufacturing 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: **KT**