

BIO-ENZYME & COMMERCIAL ODOR CONTROL · MULTI-STRAIN SPORE & ENZYME COMPLEX

Bio-Enzymatic Pet Urine & Ammonia Deodorizer

Commercial multi-enzyme and Bacillus spore deodorizer that digests insoluble uric acid crystals, ammonia, and organic biological malodors.

PATHWAY **Uric Acid + Protease/Urease** → **CO₂ + N₂**



TECHNICAL SPECIFICATIONS & OPERATING PARAMETERS

Factory QC Standard · Verified Batch Parameters

Biological Activity	≥ 1.0 × 10 ⁸ CFU/ml non-pathogenic Bacillus blend + free enzyme complex
Target Substrates	Uric acid crystals, urea, ammonia, proteins, indole, skatole, organic waste
Operating pH & Temp	pH 6.5 – 7.5; optimal enzymatic activity between 10°C and 45°C
Shelf Life	24 months in sealed HDPE containers
B2B & OEM Formats	500ml / 1L private label, 5L / 20L / 25L / 200L bulk drums
Product Grade	Hospitality, Healthcare & Commercial Facility Grade
Specific Gravity / Density	1.00 – 1.02 g/cm ³ (20 °C)
Flash Point & VOC Content	Non-flammable (>100 °C) · VOC: < 8 g/L (Biodegradable surfactant system)
Application Method	Direct saturation spray onto source area or 1:5 dilution floor/carpet wash
Transport & Customs HS Code	Non-Dangerous Goods (Non-DG for Sea/Air) · HS 3307.49.0000
Quality & Test Compliance	GB/T 18801 / ASTM E544 Odor Threshold & Ammonia Abatement (≥ 96.2% ammonia, amine & sulfide neutralization in 60 min)