

BIO-ENZYME & COMMERCIAL ODOR CONTROL · THIRD-HAND SMOKE & TAR
DECOMPOSER

Hospitality Smoke & Nicotine Odor
Eliminator

Commercial enzymatic and alkaloid-complexing deodorizer that breaks down
third-hand tobacco smoke, nicotine tar, and cigar odors in hotels and vehicles.

PATHWAY Nicotine / Pyridine / Tar → Enzymatic Cleavage



TECHNICAL SPECIFICATIONS & OPERATING PARAMETERS

Factory QC Standard · Verified Batch Parameters

Target Odorants	Nicotine, Pyridine, 3-Ethenylpyridine, Acrolein, Phenolic Tar, Cigar & Vape Residues
Active Chemistry	Food-grade organic acid alkaloid traps, non-ionic tar micro-surfactants, plant polyphenols
pH Value	5.2 – 6.2 (Optimized for alkaline nicotine/pyridine capture)
Turnaround Time	30 – 45 minutes post-misting / ULV fogging
B2B Packaging	500ml / 1L / 5L / 20L / 25L / 200L containers
Product Grade	Hospitality, Healthcare & Commercial Facility Grade
Specific Gravity / Density	1.00 - 1.02 g/cm³ (20 °C)
Flash Point & VOC Content	Non-flammable (>100 °C) · VOC: < 8 g/L (Biodegradable surfactant system)
Application Method	ULV cold fogging (room volume + AC intake) + direct mist on soft furnishings
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)