REDACTED SAMPLE CERTIFICATE OF ANALYSIS — BIOAEROSOL SPORE TRAP

Quantitative Direct Optical Microscopy (ASTM D7391-20) | ISO/IEC 17025:2017 Quality Assurance

SPECIMEN DOC ID: COA-EG-2026-246841-SAMPLE | 617 8th Ave N, Texas City, TX 77590 | (281) 694-5742

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QUALITY SYSTEM & STD:	ISO/IEC 17025:2017 QA | ASTM D7391-20 | ASTM D7658-17 | ASTM D7789 CoC
ANALYTICAL METHOD:	ASTM D7391-20 Optical Microscopy @ 600x - 1000x Magnification (Brightfield / Polarized)
SAMPLING FLOW RATE:	15.0 L/min x 5.0 min = 75.0 Liters Total Air Volume (Slit-Impaction Bioaerosol Cassette)

SAMPLE 01: OUTDOOR BASELINE EXTERIOR AMBIENT CONTROL

Cladosporium spp.	420 spores/m3	**Normal Outdoor Ecology**
Basidiospores	280 spores/m3	**Normal Outdoor Ecology**
Ascospores	160 spores/m3	**Normal Outdoor Ecology**
Aspergillus / Penicillium	53 spores/m3	**Baseline Trace**
Stachybotrys chartarum	0 spores/m3	**None Detected**
TOTAL OUTDOOR FUNGAL SPORES	**913 spores/m3**	**Ambient Outdoor Reference**

SAMPLE 02: INTERIOR CEILING / HVAC RETURN ZONE (PRE-REMEDIATION)

Aspergillus / Penicillium	6,840 spores/m3	**[ELEVATED - INDOOR AMPLIFICATION]**
Stachybotrys chartarum	480 spores/m3	**[CRITICAL WATER-DAMAGE MARKER]**
Chaetomium spp.	120 spores/m3	**[ELEVATED CELLULOSE MARKER]**
Cladosporium spp.	180 spores/m3	**Below Outdoor Baseline**
TOTAL INDOOR FUNGAL SPORES	**7,620 spores/m3**	**[REMEDIATION ACTION INDICATED - S520]**

SAMPLE 03: POST-REMEDIATION VERIFICATION (PRV) CLEARANCE AIR SAMPLE

Aspergillus / Penicillium	27 spores/m3	**[PASS - BELOW OUTDOOR BASELINE]**
Stachybotrys chartarum	0 spores/m3	**[PASS - ZERO WATER-DAMAGE MARKERS]**
Chaetomium spp.	0 spores/m3	**[PASS - ZERO CELLULOSE MARKERS]**
TOTAL INDOOR SPORES	**147 spores/m3**	**[PASS - CONDITION 1 CLEARANCE VERIFIED]**

CONFLICT-OF-INTEREST FIREWALL & CHAIN-OF-CUSTODY ATTESTATION

Sphaerus LLC d/b/a Envirogyn enforces strict operational separation between diagnostic environmental laboratory analysis and remediation execution on the same project (aligned with ANSI/IICRC S520/S530 and Texas Occupations Code § 1958.155 principles). Directed by Dr. Charles Lehnhoff, MLS(ASCP)CM Certification No: 246841.