

Nomenclatural novelties : N. Vargas & S. Restrepo

Amanita sepultipes N. Vargas & S. Restrepo, sp. nov.

IF550794

Holotype: ANDES F2297.

Pileus: 45–56 mm wide, conical to plane convex, surface even, glabrous, striate in the margin, center brown yellowish pale (OAC 849) lighter (OAC 900) towards margin, sometimes with white universal veil remnants over the pileus surface; margin finely striate. Context: 2–4 mm thick, white, unchanging. Lamellae: 4 mm broad, slightly adnexed, close, pale cream slightly yellowish (OAC 7), lamellulae of diverse lengths. Stipe: 165–180 × 10–15 mm, central, lower half buried in the soil, subbulbous at the base; surface fibrillose, squamulose at apex, white at the apex, cream towards the base with shades of pale brown (OAC 759); context hollow with fibrillose margin. Annulus: absent. Volva: white, shades of pale brown (OAC 759), with soil adhered to the entire surface; membranous saccate. Odor: Fishy. KOH and FeSO₄ negative over pileus and stipe surface.

Pileipellis: a cutis of filamentous hyphae, 2–4 μm wide, radially arranged, septate, thin; presence of oleiferous hyphae in the cutis. Pileus context: thin, some allantoid, interwoven, undifferentiated hyphae, presence of oleiferous hyphae. Lamella trama: bilateral, with distinct central stratum (wcs = 40–88 μm); formed by 6–10 μm wide × 20–30 μm long, filamentous, undifferentiated, branching hyphae. Subhymenium: composed of subglobose to ovate cells 6–10 μm long × 6–8 μm wide; wst-near = 12–32 μm wide between central stratum and nearest base of basidia, and wst-far = 18–40 μm wide between central stratum and farthest base of basidia. Basidia: 52–68 μm × 14–16 μm, dominantly 4-sterigmate, basidioles in the hymenium; clamps not observed. Stipe context: longitudinally arranged, with filamentous, thin hyphae 4–8 μm wide. Stipitipellis: a cutis of thin septate hyphae. Universal veil: formed by (3) 5–8 μm wide, thin, hyaline hyphae. Basidiospores: white in mass, [100/2/2] 9–11 × (8) 9–11 (12) μm, L' = 10.4 μm, W' = 10.5 μm, Q = 0.97–1.00, Q' = 0.99, hyaline, thin-walled, smooth, inamyloid, globose and some with base slightly flattened; uniguttulate.