

Nomenclatural novelties : V. Migliozi & P. Alvarado

Leucoagaricus lidensis Migl. & P. Alvarado, sp. nov.

IF558156

Holotype TR gmb 01483

Pileus up to 25–30 mm diameter, convex, with a minute central umbo cap; cuticle whitish-cream except at the centre, which is pink or pink-lilac, sometimes, in dry weather, with brownish-violet shades; surface unchanging when handled or by contact with ammonia solution (NH₄OH); velar remnants absent. Stem white, broadened to claviform at the base. Annulus whitish, ascending. Context not very firm, unchanging and not reacting with ammonia solution. Smell and taste insignificant. Spores 6.5–9.0 × 4.0–4.5 μm, subamygdaloid to elongated-amygdaloid, metachromatic, dextrinoid, without germ pore. Cheilocystidia up to 50 × 14 (–16) μm, cylindrical to claviform-cylindrical, covered by encrustations. Pleurocystidia not observed. Cap cuticle at the disc constituted by thin intertwined hyphae, subgelified to gelified in the remaining pileus surface, the epicutis consists exclusively of hyphae up to 140 (–180) μm long, congophilic and with weak membranous pigment. Clamp connections absent in all tissues.

Notes: At the base of the cuticular hyphae of the entire cap surface no globose or subsodiametric elements were observed, contrarily to what occurs e.g. in *Leucoagaricus gauguei* Bon & Boiffard. Collected in several localities on the Tyrrhenian coast, on consolidated sandy soil, under *Quercus ilex*, *Pinus* spp. and Mediterranean shrubland, not far from the sea.

Specimens examined: ITALY. Pineta di Castelfusano (Ostia Lido, Rome), 24 Nov. 2014, under holm oak, pine and Mediterranean scrub, on consolidated sandy soil, not far from the sea, V. Migliozi (isotype in collection of V. Migliozi, MV Leu006-241114). GenBank MT416129. Other collections (paratypes) kept in collection of V. Migliozi: Pineta Monumentale di Fregene, 13 Oct. 2015, under *Quercus ilex* and *Pinus pinaster*; Pineta di Castelfusano, 29 Nov. 2014, under *Quercus ilex*; Macchiagrande di Fregene, 25 Oct. 2004, under *Quercus ilex*; Oasi Naturale di Palo Laziale, 14 Sept. 2002, under *Quercus ilex* and Mediterranean shrubland.