

Amanita strobilaceoides



Amanita strobilaceoides © Patrick Leonard

Cap: convex; 40 – 60 mm diameter; glabrous; lemon-yellow (3A4); with patches of flat, pale, velar remains; margin entire, not striate.

Stipe: cylindrical with a sub-bulbous base; 60 × 6 mm; glabrous at the apex, becoming floccose below the ring; white; with a persistent ring two-thirds up the stipe, striate on upper side with some yellow velar remnants; a second ring zone of velar remains just above the bulb which also has yellow velar remains.

Gills: free; white, crowded; lamellulae in two series.

Flesh: white, fragile.

Spore print: white.

Spores: broadly ellipsoid; 7 – 10 × 5 – 7.5 µm, average 8.4 ± 0.7 × 6.8 ± 0.6 µm, Q = 1.3 – 1.5; average Q = 1.42; strongly amyloid.

Basidia: clavate; 25 – 35 × 8 – 10 µm; 4-spored.

Cheilocystidia: not observed.

Pleurocystidia: clavate; 20 – 32 × 10 – 15 µm, with dark granular contents.

Pileipellis: a cutis of hyphae 5 – 7 µm wide.

Habitat: in sandy soil in a remnant of Wallum woodland with *Melaleuca*, *Acacia* and *Allocasuarina*.

Notes: this smallish *Amanita* should be recognizable in the field on account of its lemon-yellow cap, white stipe with a striate, yellow-edged ring and a sub-bulbous base with a second vestigial yellow ring above. However, it also appears to be very rare, with only the type from New South Wales and a single collection from Queensland being recorded.

Collections examined: PL90324, Noosa Environment Centre, Patrick Leonard, 13 Mar 2024.