

Agaricus comtulus



Agaricus comtulus © Fran Guard

Cap: shallowly convex with an umbo; 25 – 40 mm diameter; innately fibrillose with fibres breaking into scales as it dries; white but becoming yellow brown as it dries; margin entire.

Stipe: cylindrical, somewhat bulbous at base; 30 – 50 × 3 – 6 mm; glabrous; white; with white membranous ring; rhizoids prominent in some collections.

Gills: free; flesh pink at first becoming dark chocolate brown as the spores mature.

Flesh: thin, white, yellowing a little on exposure to air.

Smell: of almonds or marzipan.

Spores: dark brown; $4.8 - 5.8 \times 3.2 - 3.9 \mu\text{m}$, average $5.4 \pm 0.2 \times 3.6 \pm 0.2 \mu\text{m}$, $Q = 1.26 - 1.67$, average $Q = 1.48 \pm 0.12$; ellipsoid, somewhat thick walled, no germ pore.

Basidia: clavate; $17 - 20 \times 6 - 7 \mu\text{m}$, four spored.

Cheilocystidia: appear to be absent.

Pileipellis: a regular cutis of repent hyphae 4-5 μm wide.

Substrate: on rich humus which possibly may contain animal dung.

Habitat: mature Araucarian forest dominated by *Araucaria cunninghamii*.

Collection examined: QMSPF06, Paradise Falls Track, Bunya Mountains National Park, Jon Atkinson, 17 Mar 2012.

Notes: this small white *Agaricus* is characterised by its tall stem, pale pink gills when young and innately fibrillose cap.