

Agaricus sp 1



Agaricus sp 1 © Fran Guard

Cap: convex; 20 mm diameter; greyish white with an almost black centre; covered in small fuscous squamules at centre, with brown fibres on remainder of cap.

Stipe: cylindrical with a sub-bulbous base; 55 × 3 - 4 mm; glabrous; white; ring 50 - 65% up stipe, white, ascending.

Gills: free, grey at first, becoming dark brown and eventually almost black.

Flesh: thin, white, reddening slightly on exposure to air.

Spore print: dark brown.

Spores: ellipsoid; 6.7 - 7.7 × 3.7 - 5.1 μm, average 7.1 × 4.4 μm, average Q = 1.6; thick walled, lacking a germ pore.

Cheilocystidia:

Pleurocystidia: not seen.

Pileipellis: a cutis, disrupted by groupings of upturned hyphae with dark brown vacuolar contents that form the scales.

Habitat: amongst litter in rainforest and wet sclerophyll forest, usually found singly.

Notes: This species seems to occur regularly in rainforest habitats; it looks superficially like the European *A. dulcidulus*, but has significantly larger spores and a different cap. It keys to *A. spilocephalus* in Pegler, but although the spores match, the Queensland fungus is less robust and the cap squamules are limited to the centre. It appears to be undescribed.

Collections examined: PL39309, Maroochy Bushland Botanic Garden, Pat Leonard, 22 Mar 2009.