

## *Agaricus* sp 5



*Agaricus* sp 5 © Pat Leonard

**Cap:** convex becoming centrally depressed; 50 - 90 mm diameter; white, staining slightly pink; glabrous, shiny; margin somewhat appendiculate.

**Stipe:** cylindrical, hollow, tapering towards the base; 50 - 80 × 8 - 18 mm; white, glabrous; ring ± 75 % up stipe.

**Gills:** free, crowded; pinkish grey at first, becoming very dark brown.

**Flesh:** white, browning very slightly on exposure to air.

**Smell:** strong, agaricoid.

**Spore print:** dark chocolate brown.

**Spores:** ellipsoid; 4.9 - 5.9 × 3.4 - 4.3 μm, average 5.4 ± 0.3 × 3.75 ± 0.25 μm; Q = 1.15 - 1.63, average Q = 1.44 ± 0.13; thick walled, no germ pore.

**Cheilocystidia:** mostly clavate; not forming a sterile edge to the gill.

**Pileipellis:** not examined.

**Habitat:** growing under *Allocasuarina littoralis* in a forest remnant left in the development as part of the landscaping.

**Notes:** attempts to key out this *Agaricus* failed; it goes to key 2 in FAN 5 but the spores do not match any of the species in that section. It is close to *A. austrovinaceous* but lacks the clear red colour change to the cap flesh. It has been retained as *Agaricus* sp 5, more collections needed.

**Collections examined:** PL 2313, Twin Waters estate, Maroochydore, Pat Leonard, 4 Mar 2013.