

## *Agaricus* sp 4



### *Agaricus* sp 4 © Pat Leonard

**Cap:** convex with a broad umbo; to 50 mm diameter; white; lanose (wooly), forming fine squamules which brown at the edge; margin appendiculate.

**Stipe:** cylindrical with a sub-bulbous base; 50 × 8 mm; white but brownish orange (not yellow) on handling; ring 60% up stipe, facing upward; stipe striate above ring, lanose below.

**Gills:** free, crowded; pinkish grey at first, becoming dark brown; edge pale, ragged; lamellulae present in a single series but of differing lengths.

**Flesh:** white, browning slightly on exposure to air, faint smell of aniseed.

**Spore print:** chocolate brown.

**Spores:** ellipsoid; 4 - 5 × 3 - 4  $\mu\text{m}$ , average 4.5 × 3.5  $\mu\text{m}$ ; no germ pore.

**Basidia:** four spored.

**Cheilocystidia:** numerous, mostly subcapitate; forming a sterile edge to the gill.

**Pileipellis:** not examined.

**Habitat:** growing in wet sclerophyll forest amongst *Eucalyptus* leaf and wood litter.

**Notes:** attempts to key out this small *Agaricus* failed; it goes to key 7 in FAN 5 but the spores do not match any of the species in that section. It has been retained as *Agaricus* sp 4.

**Collections examined:** PL 16409, Maroochydore Bushland Botanic Garden, Pat Leonard, 9 Apr 2009.