

Hemimycena aff cephalotricha



Hemimycena aff cephalotricha © Megan Prance

Cap: convex at first, then almost applanate; 3 – 5 mm diameter; minutely pubescent, matt; white, chalky white, slightly involute at margin.

Stipe: cylindrical; 3 – 6 × < 1 mm; glabrous but with caulocystidia visible under lens on lower part of stipe; insititious on leaves.

Gills: adnate; 8 – 10 reaching the stipe; rather thick, white, lamellulae present in a single series.

Flesh: chalky white.

Spores: white; 6.3 – 9.3 × 2.8 – 4.9 μm, average 7.8 ± 0.8 × 3.7 ± 0.5 μm, Q = 1.78 – 2.71, average Q = 2.11 ± 0.2

Basidia: narrowly clavate; 15 – 25 × 4 – 8 μm; four spored, with clamps.

Cheilocystidia: subcapitate; 25 – 35 × 6 – 8 μm.

Caulocystidia: along lower part of stipe; cylindrical with a subcapitate apex and or nodulose.

Pileipellis: a cutis with clavate smooth or nodulose diverticulate hyphae and some subcapitate apices.

Substrate: on leaves and seed capsules of *Corymbia* and *Eucalyptus*.

Habitat: in dry sclerophyll forest, but on the edge of a creek with a certain amount of retained moisture.

Collections examined: CH010, Chermside Hills Nature Reserve, Brisbane, Marie Fisher, 31 Mar 2012.

Notes: this very small chalky white fungus growing on Eucalypt leaves keys to *Hemimycena* and is close to *H. cephalotricha*. As far as we are aware this species has never been reported in Australia or on *Eucalyptus* leaves, so this may well be a new species.

