

Marasmius sp. “Bunya Flower”



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Cap: Smoke grey (34), paler margin, 3-8mm diam., dry, broadly convex, with central umbilication without papilla, reticulate appearance over inner 1/3, giving the look of second layer, margin broadly & deeply sulcate-striate.

Stipe: wiry tough, 20-30 X 0.5mm, black with slightly broader pale brown upper end, insititious into either rhizomorph or twig.

Gills: cream (2B) very distant 7-8 with no lamellulae, collariate. Edge concolorous with rest of gill

Flesh: extremely thin

Taste: N/A

Spores: slightly curved, pip shaped 8.8 X 3.8 mu (3 measured)

Basidia: clavate 30mu long with 4 spores

Pleurocystidia: clavate to strangulate 23-25 X 7-8mu

Pileipellis: Thick walled Siccus type broom cells of irregular shapes 10-15 X 5-6mu with projections 5-10 X 1-1.5mu.

Cheilocystidia: Thick walled broom cells 20X5mu with projections 5 X 1.4mu

Trama: clamp connections seen, branching hyphae, non-dextrinoid

Stipitipellis: narrow parallel hyphae, no caulocystidia, non-dextrinoid.

Substrate: Arising from rhizomorphs or directly from twigs

Habit: group of 10-15 tangling several twigs, growing approx. ½ -1m above ground.

Habitat: Rainforest

Collections examined: Paradise Falls Track, Bunya Mts 17/3/12 Specimen (PF 46) Collector F.E.Guard F2012041.

Notes: This species is in Section *Marasmius*, Subsection *Sicciformes*, and is almost certainly an undescribed species, with its unusual flower-like appearance on the pileus.

Colours: from Flora of British Fungi