

Chaetocalathus sp 'Galaji'



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Cap: 3–10 mm diam., white, convex, hemispheric to almost plane, smooth to slightly rugulose, dorsally and centrally attached to twigs with no stipe.

Stipe: absent, attached centrally and dorsally.

Gills: sub-distant, 10–14, with 4–5 tiers of short lamellulae, increasing with maturity, white, radiating from point of attachment, shallow, free.

Flesh: very thin, white.

Spores: Broadly ellipsoid, smooth, inamyloid, av. $8.3 \times 6 \mu\text{m}$, range $8\text{--}9 \times 6\text{--}6.5 \mu\text{m}$, $Q_{\text{av}} = 1.37$, $Q_{\text{min}} = 1.32$, $Q_{\text{max}} = 1.45$.

Basidia: 1- and 2-spored, $24\text{--}27 \times 5.5\text{--}7.5 \mu\text{m}$.

Basidioles: clavate; $24\text{--}26 \times 6\text{--}7.5 \mu\text{m}$.

Cheilocystidia: common, thin-walled, wavy cylindric, $20\text{--}27 \times 3\text{--}4 \mu\text{m}$, blunt, bifid or branching and occasional bottle-shaped cystidia, $19\text{--}24 \times 6\text{--}7.5 \mu\text{m}$.

Pleurocystidia: absent.

Pileipellis: a trichoderm forming a tangle of dextrinoid, thick-walled hairs $3\text{--}4 \mu\text{m}$ diam. and thin-walled hairs $7\text{--}8 \mu\text{m}$.

Clamp connections: present.

Habitat: tropical garden, gregarious on living and dead twigs of *Lagerstroemia archeriana*.

Notes: this small species could easily be mistaken for a *Campanella* or one of the *Campanella*-like *Marasmius*. DNA places it in *Chaetocalathus*, *Marasmiaceae*, but not close to any named species. More collections are needed.

Collection examined: QLD, Topaz, Galaji Nature Refuge, 9 Feb 2023, *FE Guard*, F2023041, BRI AQ1040799.