

## *Lactifluus* sp. CN62



*Lactifluus* sp. CN62 © Pat Leonard

**Cap:** appanate, soon becoming centrally depressed; 25 – 45 mm diameter; minutely felty, matt, as if with a bloom, rugulose in places; very pale orange (5A3); margin in-rolled.

**Stipe:** cylindrical or tapering towards the base; 25 – 50 × 8 – 15 mm; more or less innately ridged, white with a tinge of the cap colour.

**Gills:** subdecurrent; crowded; cream; darkening to brown or black where stained by the milk; lamellulae present.

**Flesh:** white.

**Milk:** copious, watery white, blackening gills on drying.

**Taste:** milk is mild

**Chemical reactions:** FeSO<sub>4</sub> on stipe: dark green; Guaiac on stipe base: +.

**Spore print:** pale cream.

**Spores:** subglobose to broadly ellipsoid; 7.7 – 9.1 × 6.5 – 8 μm, average 8.4 ± 0.45 × 7.1 ± 0.4 μm, Q = 1.04 – 1.34, average Q = 1.18 ± 0.07; with amyloid spines and warts and a few very fine connectives, but not reticulate.

**Basidia:** clavate; 45 – 55 × 9 – 12 μm; four spored.

**Cheilocystidia:** cylindrical with irregular sides, some subcapitate, others tapering towards the apex; 1 – 3 septate; 45 – 50 × 6 – 8 μm.

**Pleurocystidia:** macrocystidia not seen.

**Dermatocystidia:** absent.

**Pileipellis:** a trichoderm or trichoepithelium with upright hyphal endings some of which are clavate to subcapitate.

**Substrate:** in sandy soil under *Eucalyptus*.

**Habitat:** open Eucalypt woodland with *Eucalyptus* and *Kunzea*.

**Notes:** Distinguished from other *Lactifluus* species by the pale cap colours and tall stem relative to cap diameter. Spores are echinulate and larger than most others.

**Collections examined:** CN62, Crow's Nest National Park, Lil Spadijer, 20 Apr 2013.