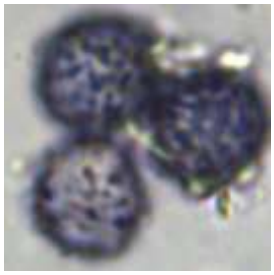
Russula sp PL44411

***Russula* sp PL44411 © Pat Leonard**

Cap: broadly convex; 70 -90 mm diameter; smooth, matt; purplish red to magenta (11A6, 13E6); margin entire; up to half peeling.
Stipe: cylindrical, firm, solid; 50 – 60 × 15 – 20 mm; glabrous; cream.
Gills: adnate; cream; lamellulae absent.
Flesh: white at first but distinctly greying on exposure to air.
Taste: mild. **Smell**: none.
Chemical reactions: FeSO4 on stipe: salmon; Guaiac on stipe base: nil.
Spores: cream; globose to subglobose; 7.7 – 10.2 × 7.2 = 9.4 µm, average 9.1 ± 0.55 × 8.6 ± 0.6µm, Q = 1 – 1.24, average Q = 1.07 + 0.05; ornamented with short amyloid ridges to 1 µm high and some isolated warts, not reticulate; subhilar appendage distinct.



Basidia: narrowly clavate; 45 – 60 × 10 – 12.5 µm; four spored.
Cheilocystidia: langeniform with mucronate or rostrate apices; 75 – 105 × 10 – 13 µm ; thick walled; numerous.
Pleurocystidia: langeniform with mucronate or rostrate apices; 75 – 105 × 10 – 13 µm; numerous.
Dermatocystidia: absent.
Pileipellis: a cutis of repant interwoven hyphae 4.5 – 7 µm wide; terminal cell endings rounded.
Habitat: growing in small groups in open Eucalyptus woodland dominated by *Eucalyptus andrewsii*.
Notes: a purplish red Russula characterised by its greying flesh and numerous cheilocystidia. It does not appear to fit any known species.
Collections examined: PL44411, Tully Park, Giraween, John Dearnaley, 15 Apr 2011; PL90313, Linda Garrett Reserve, Pat Leonard, 16 Mar 2013