

Russula lenkunya



Russula lenkunya © Pat Leonard

Cap: centrally depressed; 50 - 70 mm diameter; glabrous, minutely black punctate; greyish violet (17D6), almost black at centre; margin entire, somewhat inrolled, less than $\frac{1}{4}$ peeling.

Stipe: cylindrical or slightly clavate; 60 × 10 - 15 mm; glabrous; greyish magenta (13D6).

Gills: adnate; white; no lamellulae.

Flesh: white, unchanging on exposure to air.

Taste: hot, bitter.

Chemical reactions: FeSO₄ on stipe: salmon; guaiac on stipe base: ?

Spore print: white.

Spores: ellipsoid; 7.8 - 10.6 × 7.3 - 8.8 μm , average 9.1 (\pm 0.8) × 7.8 (\pm 0.6) μm , Q = 1.17 (\pm 0.016); strongly amyloid; echinulate with isolated pointed warts.

Basidia: strongly clavate with a long slender base; 40 - 45 × 10 - 12 μm ; four spored; sterigmata 4 - 6 μm .

Cheilocystidia: fusiform; 50 - 60 × 10 - 12 μm .

Pleurocystidia: numerous; fusiform, some subcapitate; 50 × 10 - 15 μm ; thin walled, extending 25 μm beyond basidia.

Dermatocystidia: absent.

Pileipellis: an irregular trichoderm with septate terminal hyphae.

Habitat: wet sclerophyll forest with *Eucalyptus* species on Fraser Island

Notes: this fungus seems to be a relatively good fit for Grgurinovic's *R. lenkunya*.

Collections examined: PL 16608, Central Station, Fraser Island, Pat Leonard, 25 Jun 08.