

Cruscispora naucariodes



Cruscispora naucariodes © Pat Leonard

Cap: convex; to 30 mm diameter; glabrous, with minute scales arranged in concentric rings towards the margin; light brown (7D5); margin entire.

Stipe: cylindrical with a bulbous base, hollow; $40 - 50 \times 4 - 7 \mu\text{m}$; scurfy with scales; light brown with the scales dark brown.

Gills: subdecurrent; crowded; mid brown; lamellulae present.

Flesh: thin, light brown.

Taste:

Spore print: mid to reddish brown.

Spores: rhomboid or cruciform; $8.1 - 10.2 \times 6.6 - 8.3 \mu\text{m}$, average $9.1 \pm 0.7 \times 7.8 \pm 0.5 \mu\text{m}$, $Q = 1 - 1.33$, average $Q = 1.18 \pm 0.1$; spores are oblong in polar view, $5 - 6 \mu\text{m}$ deep

Basidia: cylindrical to narrowly clavate; $22 - 27 \times 8 - 9.5 \mu\text{m}$; two and four spored basidia present, clamps at base.

Cheilocystidia: lageniform; $27 - 35 \times 4 - 7 \mu\text{m}$.

Pleurocystidia:

Pileipellis: hymeniderm of inflated clavate cells with slight exterior ornamentation towards the base of each cell. clamp connections present.

Habitat: in a damp *Eucalyptus/Syncarpus* forest.

Notes: a small brown fungus with brown gills and a scurfy stipe with a bulbous base, instantly recognizable through its cruciform to rhomboid spores. Known from 2 collections in Queensland and one in each of New Guinea and New Zealand.

Collections examined: PL320315, Z track, Bellthorpe, Susie Webster, 29 Mar 2015.

