**Crucispora naucariodes**

**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 × 4 – 7 µm; 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 × 6.6 – 8.3 µm, average 9.1 ± 0.7 × 7.8 ± 0.5 µm, Q = 1 – 1.33, average Q = 1.18 ± 0.1; spores are oblong in polar view, 5 – 6 µm deep

**Basidia:** cylindrical to narrowly clavate; 22 – 27 × 8 – 9.5 µm; two and four spored basidia present, clamps at base.

**Cheilocystidia:** langeniform; 27 – 35 × 4 – 7 µm.

**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.