

## *Amanita angustispora*



*Amanita angustispora* © Pat Leonard

**Cap:** convex expanding to applanate; 60 – 100 mm diameter; smooth, glabrous, dry; off-white to pale grey; very few flat membranous scales (after heavy rain); margin slightly appendiculate, not striate.

**Stipe:** cylindrical and slightly expanded at the base; 90 – 150 × 12 – 18 mm; smooth, white, with some flaky scales on the lower half; ring white, pendulous, fragile; volva present, saccate, stipe deeply buried in sand.

**Gills:** free, thin; white; margin finely serrate; lamellulae in two series.

**Flesh:** thin, fragile.

**Smell:** not recorded.

**Spore print:** white.

**Spores:** broadly ellipsoid; 9.5 – 12.5 × 5.2 – 7.5 µm, average 10.9 ± 1 × 6.3 ± 0.6 µm, Q = 1.6 – 1.85, average Q = 1.74 ± 0.16; amyloid, thin walled.

**Basidia:** narrowly clavate; 40 – 50 × 7 – 9 µm, four spored.

**Pleurocystidia:** absent.

**Pileipellis:** a cutis.

**Substrate:** sand.

**Habitat:** growing deeply buried in sand alongside a track in Wallum close to *Melaleuca* and *Allocasuarina*.

**Notes:** this very tall white *Amanita* is apparently rare in Queensland. Yet its very robust appearance, volva and strongly ellipsoid amyloid spores should make it easy to recognise.

**Collections examined:** PL44413, Arthur Harold Reserve, Cooloola Section, Great Sandy National Park, Pat Leonard, 12 Apr 2013.