

Amanita sp 'Hewett'



Amanita sp 'Hewett' © Judy Hewett

Cap: convex becoming applanate; 80–100 mm in diameter; glabrous but becoming rimose in the centre; greyish orange (6B4); velar remnants as one or a few large flat patches, fugacious, white but darkening to brown at the edges; margin sulcate/striate to one-third radius.

Stipe: cylindrical with a slightly widened apex and a distinct bulbous base; 120–135 × 10–14 (bulb = 25) mm; glabrous; greyish orange (6B4); becoming paler near base and almost white on bulb; with a large, pendulous, white fugacious ring.

Gills: free; crowded; fragile; white; with irregularly spaced lamellulae.

Flesh: fragile; white; unchanging.

Smell: not distinctive.

Spore print: white.

Spores: subglobose to ellipsoid; $8.15\text{--}10.33 \times 7.75\text{--}9.25 \mu\text{m}$, average $9.25 \pm 0.6 \times 8.5 \pm 0.5 \mu\text{m}$, $Q = 1\text{--}1.25$ average $Q = 1.09 \pm 0.07$; amyloid, with a prominent apiculus.

Basidia: subcapitate; $35\text{--}45 \times 9\text{--}15 \mu\text{m}$, 4-spored.

Cheilocystidia: not observed.

Pleurocystidia: narrowly clavate; $45\text{--}60 \times 7\text{--}9 \mu\text{m}$; thin-walled.

Pileipellis: a cutis of repent hyphae 5–10 μm wide. Veil cells variable from globose to ellipsoid, $20\text{--}40 \times 12\text{--}30 \mu\text{m}$, thin-walled,

Habitat: dry sclerophyll forest that has recently been burnt.

Notes: a very tall, greyish orange *Amanita* with a sulcate/striate cap margin and a white fugacious ring and bulbous stipe base. Keys to *A. ochraceobulbosa* in Wood, but that is smaller, has pyramidal warts on the cap and is not pellucid striate. ITS sequence suggests this is close to *A. siamensis* from Northern Thailand.

Collections examined: JLH07, Eumundi Conservation Park, Judith Hewett, 25 Feb 2024.