

## Outlineoffungi.org - Note 845 *Phaeotephrocybe*

Web-links: [Index Fungorum](#), [Facesoffungi](#), [MycoBank](#), [GenBank](#)

*Phaeotephrocybe* T.J. Baroni, T.W. Kuyper & van de Peppel

*Phaeotephrocybe*, a monotypic species was erected by van de Peppel et al. (2022) to accommodate *P. leucophylla* as the type species, based on morphological characteristics and phylogenetic analysis of ITS, LSU and *tef1* $\alpha$  sequence data. The type species was obtained from soil in Belize. It is characterized by very short and clavate basidia, elliptical or narrowly elliptical and smooth basidiospores, without clamp connections and arthroconidia, and with crowded and hyaline cheilocystidia. *Phaeotephrocybe leucophylla* is a neotropical species that is similar in general appearance compared to the European/North American *Tephrocybe rancida* but differs most notably in the color of the pileus, stipe and lamellae (van de Peppel et al. 2022). The taxonomic placement of *Phaeotephrocybe* is in *Agaricales*, *Agaricomycetidae*, *Agaricomycetes*, and *Basidiomycota*.

### Reference

van de Peppel LJ, Aime MC, Læssøe T, Pedersen OS et al. 2022 – Four new genera and six new species of lyophylloid agarics (*Agaricales*, *Basidiomycota*) from three different continents. *Mycological Progress* 21(10), 85. <https://doi.org/10.1007/s11557-022-01836-7>

### Entry by

**Maoqiang He**, State Key Laboratory of Mycology, Institute of Microbiology, Chinese Academy of Sciences, Beijing 100101, China

(Edited by **Rui-Lin Zhao**, **Maryam Tavakol Noorabadi**, **Kevin D. Hyde** & **Subodini N. Wijesinghe**)

Published online 2 April 2024