

Genus *Natronospora*

Etymology

[Na.tro.no.spo'ra] **N.L. pref.** *natrono-*, pertaining to soda; **Gr. fem. n.** *spora*, seed, and, in biology, a spore; **N.L. fem. n.** *Natronospora*, soda loving, spore-forming organism

Nomenclatural type

Species *Natronospora cellulosivora*^{Ts}

Description

The genus *Natronospora* includes moderately salt-tolerant and alkaliphilic, anaerobic, fermentative, heterotrophic, endospore-forming bacteria specialized on utilization of cellulose as the growth substrate. Currently it includes a single species - *Natronospora cellulosivora*, that was isolated from soda lake. A member of the order *Halanaerobiales*.

Classification

Bacteria » *Bacillota* » *Clostridia* » *Halanaerobiales* » "*Iocasiaceae*" » *Natronospora*

References

Effective publication: Sorokin et al., 2026 [1]

Registry URL

<https://seqco.de/i:52917>

References

1. Sorokin et al. (2026). Phenotypic and functional genome characterization of *Herbivorax alkaliphila* sp. nov. and *Natronospora cellulosivora* gen. nov., sp. nov., obligately anaerobic, cellulotrophic, endospore-forming bacteria from soda lakes in southwestern Siberia. *Systematic and Applied Microbiology*. DOI:10.1016/j.syapm.2025.126682