

Name: ***Catenulispora acidiphila***

Authors: Busti et al. 2006

Status: New Species

Reference: Int. J. Syst. Evol. Microbiol. 56:1745

Risk group: ?

Type strain: DSM 44928, ID139908, NRRL B-24433

Author: Busti, E., Cavaletti, L., Monciardini, P., Schumann, P., Rohde, M., Sosio, M., Donadio, S.

Title: *Catenulispora acidiphila* gen. nov., sp. nov., a novel, mycelium-forming actinomycete, and proposal of *Catenulisporaceae* fam. nov.

Journal: Int. J. Syst. Evol. Microbiol.

Volume: 56

Page: 1741-1746

Year: 2006

Genus: *Catenulispora* FH 6747
Species: *acidiphila*
Numbers in other collections: DSM 44928

Morphology:

| | | |
|--------------|------|----|
| | G | R |
| <u>ISP 2</u> | none | |
| | A | SP |
| | G | R |
| <u>ISP 3</u> | none | |
| | A | SP |
| | G | R |
| <u>ISP 4</u> | none | |
| | A | SP |
| | G | R |
| <u>ISP 5</u> | none | |
| | A | SP |
| | G | R |
| <u>ISP 6</u> | none | |
| | A | SP |
| | G | R |
| <u>ISP 7</u> | none | |
| | A | SP |

Melanoid pigment: - - - -

NaCl resistance: %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- °C

Carbon utilization:

| | | | | | | | | | |
|-----|-----|-----|-----|------------|-----|-----|-----|-----|-----|
| Glu | Ara | Suc | Xyl | Ino nd. | Man | Fru | Rha | Raf | Cel |
|-----|-----|-----|-----|------------|-----|-----|-----|-----|-----|

Enzymes:

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2- | 3- | 4- | 5- | 6- | 7- | 8- | 9- | 10- | 11- |
| 12+ | 13- | 14- | 15- | 16- | 17- | 18- | 19- | 20- | |

Comments: good growth on media 5006 and 5265 with a pH of 5.5 (beige mycelium), no aerial mycelium is formed



Catenulispora acidiphila

A and B – Agar plates media 5006 and 5265 with a pH of 5.5

