

Genus *Arthrobacter*
Species *nicotianae*
Subspecies

Author Giovannozzi-Sermanni, 1959
Reclassification
Status valid

Type species DSM 20123

Hazard group 1

Author(s) Giovannozzi-Sermanni, G.
Title Una nuova specie di *Arthrobacter* determinante la degradazione della nicotina: *Arthrobacter nicotianae*.
Journal Il Tabacco
Volume 63
Page(s) 83-86
Year 1959

Genus: *Arthrobacter*

FH 6190

Species: *nicotianae*

Numbers in other collections: **DSM 20123**

Reclassification:

Morphology:

	G	R
<u>ISP 2</u>	good	colorless
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	colorless
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	ivory
	A	SP
	none	none
	G	R
<u>ISP 5</u>	sparse	colorless
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	ivory
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	colorless
	A	SP
	none	none

Melanoid pigment: - - - -

NaCl resistance: %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 28°C

Enzymes:

Api Zym										
2+	3-	4+	5(+)	6+	7+	8+	9+	10-	11+	
12+	13-	14-	15-	16+	17-	18-	19+	20-		
Api Coryne										
Nit	Pyz	Pyr	Pal	βGur	βGal	αGlu	βNag	Esc	Ure	Gel
+	-	+	-	-	-	+	-	-	-	+
Glu	Rib	Xyl	Man	Mal	Lac	Sac	Glyg			
-	-	-	-	-	-	-	-			

Comments: good growth on medium 5006



Arthrobacter nicotianae

A – Agar plates media 5006, 5265 and 5315

B – Microplate with ISP- and melanin media

C – Api Zym (upper) and Api Coryne