

Paenibacillus macerans, Strain NRS 888

Catalog No. NR-2490

(Derived from ATCC® 8244™)

Product Description: *Paenibacillus macerans* (*P. macerans*) are Gram-positive, dinitrogen-fixing, spore-forming rods belonging to a class of bacilli of the phylum *Firmicutes*.

Lot¹: 4874326

Manufacturing Date: 17NOV2005

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Sporulation Anaerobic growth Motility β-hemolysis Capsule (India ink staining) Tenacious Analytical profile index (API® 50 CHB) Biochemical tests Nitrate Arginine dihydrolase Glycerol Salicin Glycogen Trehalose Nutrient agar with 0.7% sodium bicarbonate FAME analysis	Consistent with ATCC® 8244™ Gram-positive rod Report results Positive Positive Motile Non-hemolytic Negative Negative Consistent with <i>P. macerans</i> Negative Report results Positive Positive Positive Positive Positive No growth Consistent with <i>P. macerans</i>	Consistent with ATCC® 8244™ Gram-positive rod Round, shiny Positive Positive Motile Non-hemolytic Negative Negative Consistent with <i>P. macerans</i> Negative Positive Positive Positive Positive Positive No growth Consistent with <i>P. macerans</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 645 bp)	Consistent with <i>P. macerans</i> Identical to GenBank AB073196	Consistent with <i>P. macerans</i> ³ Identical to GenBank AB073196
Viability (post-vialing)²	Growth	Growth

¹NR-2490 was produced by propagation of seed stock (BEI Resources NRS-2490) in Nutrient Broth for 48 hours at 30°C and aerobic atmosphere.

²NRS-2490 was produced by propagation of ATCC® 8244™ (Lot 3841708) in Nutrient Broth for 48 hours at 30°C and aerobic atmosphere.

²48 hours at 30°C and aerobic atmosphere on Nutrient Agar.

³Also consistent with other *Paenibacillus* species.

Date: 02 OCT 2007

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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