



# ***Amylolactobacillus amylophilus* (Nakamura and Crowell) Zheng et al.**

**49845™**

## **Description**

*Amylolactobacillus amylophilus* strain NRRL B-4437 is a bacterial type strain that was isolated from corn fermentations. This strain is cited to hydrolyze starch.

**Strain designation:** NRRL B-4437

**Deposited As:** *Lactobacillus amylophilus* Nakamura and Crowell

**Type strain:** Yes

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## **Storage Conditions**

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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## **Intended Use**

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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## **BSL 1**

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local

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or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

### Medium:

ATCC Medium 416: Lactobacilli MRS Agar/Broth

**Temperature:** 30°C

**Atmosphere:** 95% Air, 5% CO<sub>2</sub>

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## Handling Procedures

1. Open vial.
2. Rehydrate the entire pellet with approximately 0.5 mL of #416 broth.  
Aseptically transfer the entire contents to a 5-6 mL tube of #416 broth.  
Additional test tubes can be inoculated by transferring 0.5 mL of the primary

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- broth tube to these secondary broth tubes.
3. Use several drops of the primary broth tube to inoculate a #416 plate and/or #416 agar slant.
  4. Incubate at 30°C for 24-48 hours in an atmosphere of 5% CO<sub>2</sub>.
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## **Notes**

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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## **Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: *Amylolactobacillus amylophilus* (Nakamura and Crowell) Zheng et al. (ATCC 49845)

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## **References**

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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use of this product. The MTA is available at [www.atcc.org](http://www.atcc.org).

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