A Subsidiary of Cortec® Canada
Bionetix INTERNATIONAL

ISO: 9001 Certified
Quality System Registered

A55L™

AMMONIA- AND NITRITE-OXIDIZING BACTERIA

FEATURES AND BENEFITS

- Reduces ammonia levels
- Promotes reliable nitrification
- Supports nitrification during colder months
- Helps to support and restore nitrification after shock loadings
- Restores nitrification quickly after upsets
- Reduces surcharges

PRODUCT DESCRIPTION

Ammonia is one of the main pollutants in wastewater. A55L™ contains two beneficial microorganisms—Nitrosomonas and Nitrobacter—that help nitrify ammonia in a two-step biological process. Nitrosomonas strains are part of the first step in nitrification. They oxidize ammonia to nitrite using available dissolved oxygen in the wastewater; this reduces ammonia discharge levels. During the second step, Nitrobacter bacteria convert (by oxidation) the nitrite created in the previous step into nitrate. The bacteria used in A55L™ are strict aerobes that utilize dissolved oxygen and will not perform under anaerobic or very low oxygen conditions.

Please note that a 10X concentrated version of A55L™ is available upon request to reduce shipping cost. A diluted version of A55L™ is also available for those who desire a longer shelf life with no refrigeration needed for storage.

TYPICAL APPLICATIONS

A55L™ can be used to eliminate ammonia and nitrite nitrogen in

- Industrial Wastewater
- Municipal Wastewater
- Aquariums
- Ponds

SPECIFICATIONS

Description	Turbid pinkish brown liquid with slightly musty fragrance
Composition	Mixed bacteria concentrate consisting of Nitrosomonas + Nictrobacter
Activity	≥500 mg NH_3/liter/hour NH_4N oxidation rate with a balanced population of Nitrobacter

PACKAGING & STORAGE

Available in 5 L jugs and 20 L pails.

Diluted version: Store in a cool, dry location. Regular version and concentrate: Refrigerate upon receipt and throughout period of use. DO NOT FREEZE. Please follow the recommendations and use the product before the best before date. Contact Bionetix® with questions. Avoid inhalation and eye contact. Avoid excessive skin contact.

APPLICATION INSTRUCTIONS

Factors affecting nitrification:

Temperature—Optimum temperature is 15-30 °C (59-86 °F). At lower temperatures, higher dosages of the product are needed for better performance.

pH and Alkalinity—Best performance between 6.5-9.0. Optimal pH is 8.5. There should be enough alkalinity present for nitrification.

Toxicity—Compounds that inhibit nitrification are metals, cyanides, fluorides, phenols, amines, chlorinated hydrocarbons, surfactants, oils, etc.

Please contact your Bionetix® technical representative for application instructions.

Bionetix® International Corporation, Inc.
21 040 rue Daoust, Ste-Anne-de-Bellevue Quebec, Canada H9X 4C7
T 514 457 2914 • F 514 457 3589 • www.bionetix-international.com