



PRODUCT SPECIFICATION

Product Name: ACID LACTASE LIQUID

Strain: *Aspergillus oryzae*

Temperature range: 5°C ~65°C

Optimum Temperature: 55°C ~60°C

PH range: Effective pH 3.0~8.0

Optimum pH: 4.0~5.5

Standards: Acid lactase FCC VII

ITEMS		SPECIFICATION	METHOD
Sensory Index	Appearance	Light yellow to light brown liquid	Visual
	Odor & taste	Characteristic odor and taste	Taste
Identification	Identifiable activity	Positive for Lactase activity	In-house
Activity	Lactase activity, ALU/ml	≥30,000 ALU/ml	FCC VII
Heavy Metals	Lead	≤3 ppm	USP <231>
	Arsenic	≤ 1 ppm	USP <231>
	Mercury	≤ 0.1 ppm	USP <231>
	Cadmium	≤ 1 ppm	USP <231>
Microbiological	Total bacteria count	≤ 100CFU/ml	FDA BAM Online Ch.3
	Coliform bacteria	≤30CFU/g	FDA BAM Online Ch.4
	Salmonella	Negative	FDA BAM Online Ch.5
	Escherichia coli	Negative	FDA BAM Online Ch.4
	Staphylococcus aureus	Negative	FDA BAM Online Ch.12
	Mold & Yeasts	≤100CFU/ml	FDA BAM Online Ch.18

Packaging:

20L/barrel, 25L/barrel

Shelf Life: 18 months from the date of production when stored according to recommendations.

Storage condition: Store in cool, dry place, away from sunlight, keep barrel closed when not in use.