

Description

NDB3100 (papain) is a solution of proteolytic enzymes extracted from the fruit of the papaya tree. It protects the beer against chill and permanent haze and extends shelf life.

Benefits

- · Naturally occurring enzyme
- · Increases filterability
- · Reduces chill and permanent haze formation
- · Improves beer shelf life
- · Ideal for use in packaged beers

PRODUCT CODE

NDB3100

COMMODITY CODE

35079090

PACKAGING (kg)

5 & 25 kg

STORAGE

Keep in original container.

Keep containers sealed when not in use.

Temperature

Recommended storage temperature is 1°C - 5°C.

Do not allow the product to freeze.

Location

Store in cool conditions away from direct sunlight.

Shelf Life

At the recommended storage conditions, two years from date of manufacture.

Application & Rates of Use

NDB3 100 (papain) can be added to the mash, applied in the fermenter, or used during the post-fermentation stage. Adding it between post-fermentation and chilling provides the benefits of improved filterability, reduced chill haze formation, and enhanced beer shelf life. A smaller dose can also be added later in the process, such as in the conditioning tank.

Optimal Conditions:

• **pH Range**: 5–7

• **Temperature:** 50–70°C

Dosage Recommendations:

· All-Malt Mash: Add 0.5-0.7 liters per tonne of dry grist

· With Barley Adjuncts: Use 5–8 liters per tonne of dry goods

· Post-Fermentation: Add 4-6 mL per hectolitre of beer

Guidelines For Use

- · Check that the product is within its shelf life before use
- · Experiment with additions to determine the minimum effective rates
- · Read the Safety Data Sheet prior to use
- · Care should be taken to avoid unnecessary skin contact during handling



TECHNICAL SUPPORT

+44 (0) 115 978 5494 | techsupport@murphyandson.co.uk

REGULATORY COMPLIANCE INFORMATION

Refer to the 'Product Specification Sheet' or contact us on: +44 (0) 115 978 5494 | compliance@murphyandson.co.uk

MURPHY & SON	Product name : NDB3100 TU
	Product code: NDB3100
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For Health & Safety Information refer to the Safety Data Sheet.	Issue Date: 19/02/2025
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