**ENZYMES****ALDC**

TECHNICAL DATA SHEET

## Description

Alpha Acetolactate Decarboxylase (ALDC) is an enzyme that causes the direct decarboxylation of alpha acetolactate to acetoin, thus avoiding the production of diacetyl and reducing maturation time. ALDC is produced from a submerged culture of *Bacillus subtilis*.

## Benefits

- Prevents diacetyl production
- Significantly reduces maturation times
- More efficient vessel utilisation
- Increases production capacity
- Reduces energy usage
- Improves beer quality
- Eliminates diacetyl formation from dry hop creep

### PRODUCT CODE

ALDC

### COMMODITY CODE

35079090

### PACKAGING (Kg)

1, 5 &amp; 25 kg

### STORAGE

Keep in original container.  
Keep container sealed when not in use.

### Temperature

Recommended storage temperature is <10°C.

Do not allow the product to freeze.

### Location

Store in cool conditions, away from direct sunlight.

### Shelf Life

The product gives optimal performance when stored as recommended and used within 18 months from the date of manufacture.

## Application & Rates of Use

### When used in the initial fermentation

The product can be mixed in with chilled wort at the beginning of fermentation at a rate of 1-5 g/hL. For optimal enzyme dispersion, it is advisable to add it while the wort is being transferred into the fermenter.

### Second addition at the point of dry-hopping

The renewed availability of fermentable sugars after dry hopping can result in additional VDK production. Thus, it is recommended to add a second dose (1-5 g/hL) at the time of dry hopping to protect against renewed diacetyl formation due to dry hop creep. Ensure enzyme is well distributed with beer for full effect.

## Guidelines For Use


- Check that the product is within its shelf life before use
- 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](mailto: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](mailto:compliance@murphyandson.co.uk)**

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