

# Pure Fermentation

## SIHA DESTAROME®

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### (Aroma Yeast for Distilleries, *Saccharomyces Cerevisiae*)

SIHA DESTAROME® is a special yeast for the fermentation of noble fruit brandy mashes and produces highly aromatic distillates. It supports the release of aroma components from the fruit during fermentation. Especially Williams pear, kirsch, plum and quince brandies gain appreciably more flavour and elegance. This also applies to noble berry varieties. It features a high temperature tolerance up to at least 15 °C (59 °F) and also ferments sufficiently at lower temperatures. It ferments quite slowly but completely even with difficult mashes.

The specific advantages of SIHA DESTAROME®:

- ▶ Very rapid fermentation start and reliable thorough fermentation of all fruit mashes as well as excellent cold fermenting properties from approx. 10 – 15 °C (50 – 59 °F)
- ▶ Release and preservation of aroma components in the fruit
- ▶ Reliably suppresses wild yeasts and harmful bacteria
- ▶ Tolerates up to 16 Vol.-% alcohol
- ▶ Negligible frothing

#### Application

Basically speaking, the mashes should be treated as soon as possible. This also safeguards the alcohol yield. Longer periods of standing favour the uncontrolled reproduction of wild yeasts and unwanted bacteria. Acidification of the mash must always be done before treatment with SIHA DESTAROME®. Fermentation problems can be safely prevented by the following dosages:

Application	Quantity required g/hl (lb/1000 gal) under	
	normal fermentation	difficult conditions
Drupes	10 – 20 (0.8 – 1.7)	20 – 40 (1.7 – 3.3)
Pome fruits	10 – 20 (0.8 – 1.7)	20 – 40 (1.7 – 3.3)
Berries	10 – 20 (0.8 – 1.7)	20 – 40 (1.7 – 3.3)
Topinambour	-	20 – 40 (1.7 – 3.3)
Gentian	-	20 – 40 (1.7 – 3.3)
Mashes that have stopped fermenting	-	30 – 60 (2.5 – 5)

These quantities are given as a guide and should be adjusted to suit the individual conditions (health of the material harvested, temperature, presence of fungicide residue, container size etc.).

The fermentation temperature range is between 10 °C (50 °F) and 35 °C (95 °F). The higher the alcohol content, the lower the fermentation temperature should be. The optimum fermentation temperature is 15 – 20 °C (59 – 68 °F). When using large containers, adequate cooling has to be provided.

SIHA DESTAROME® is best stirred into the tenfold quantity of water at 20 – 30 °C (68 – 86 °F), left for about 10 minutes, then stirred thoroughly again and added to the mash. Mixing in is unnecessary if the mash is pumped onto the yeast preparation.

The yeast can also be added directly to the mash without suspension. In this case the period until fermentation begins is extended by only a few hours. However, to ensure reliable fermentation the yeast quantity should be increased by about 20 %.

Ensure that it is distributed well.

## Product Characteristics

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Selection objectives were high fermentation activity and vitality. SIHA DESTAROME® exhibits a favourable course of fermentation with a high degree of final fermentation. Wild yeasts and unwanted bacteria are suppressed. Aromas contained in the fruit can be better released by the yeast.

SO<sub>2</sub> quantities up to 80 mg/l (0.7 lb/1000 gal) are tolerated by the yeast without difficulty.

SO<sub>2</sub> contents in the mash are generally reduced during fermentation.

The yeast can produce up to 16 Vol.-% alcohol. The practical alcohol yield is about 47 % of the sugar to be fermented. For each kg of sugar transformation about 546 kJ (130 kcal) of heat is released.

## Safety

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No technical safety data are given for SIHA DESTAROME® as this product goes directly into the production of foodstuffs.

There is no danger for personnel and the environment during storage, handling and transportation.

## Storage

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SIHA DESTAROME® is packed in gastight aluminium foil using inert gas. The package is vacuum-sealed and can be easily checked for intactness.

The yeast can be stored in an undamaged package at 4 – 10 °C (39 – 50 °F) for 3 years. It can be stored for a short time in an undamaged package at temperatures up to 20 °C (68 °F). Opened packages should be used up immediately.

## Delivery Information

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SIHA DESTAROME® is sold under article no. 93.160 and is available in the following package sizes:

500 g (1.1 lb)	Aluminium sandwich foil bloc package
20 x 500 g (1.1 lb)	Aluminium sandwich foil bloc package in carton

H.S. Customs Tariff No.: 2102 10 90

## Certified Quality

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SIHA DESTAROME® is monitored regularly during the production process to ensure consistently high quality. These inspections cover technical function criteria as well as compliance with the law governing the production and sale of foodstuffs. Strict controls are also carried out immediately before and during final packing.



Reg. No. 000480 QM

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