

Pure Fermentation

SIHA Vitamin B1 (Fermentation Aid)

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SIHA Vitamin B1 is a pure, high dosage thiamine (thiamine dichlorhydrate) to improve the metabolism activity of yeast during alcoholic fermentation.

The specific advantages of SIHA Vitamin B1 include:

- ▶ Improved yeast propagation (increased number of cells)
- ▶ Suppression of the formation of disturbing higher types of alcohol
- ▶ Decreased pyruvic acid (pyruvate) and α -ketoglutarate contents; less SO₂
- ▶ Improved final fermentation of difficult-to-ferment grape must
- ▶ Enhance reductive fermentation of fresher and more aromatic wines
- ▶ Enhanced positive effect on the digestibility of wine

Application

The quantity of Vitamin B1 that can be applied is restricted to 0.6 grams per 1000 litre (0.8 oz/1000 gal) by German Wine Regulations (1983) and EC WR No. 337/79. SIHA Vitamin B1 should be added early to the unfermented must prior fermentation or during the second fermentation to wine in order to immediately promote the development of the yeast used. The addition of SIHA Vitamin B1 is recommended particularly for musts and wines that are expected to be difficult to ferment such as must from grapes containing increased quantities of fermentation deterring substances or must from decayed grape pickings.

The practical application is simple:

1. SIHA Vitamin B1 and its active ingredients are pressed into tablets of 300 mg (0.01 oz) each. Two tablets are sufficient for 10 hl (264.2 gal) of fermentation must. First completely dissolve the crushed tablets in a small amount of must. Due to their excellent disintegration properties, the tablets should be completely dissolved within 4 – 5 minutes.
2. SIHA Vitamin B1 powder is more suitable for processing larger quantities of wine. Completely dissolve the exactly weighed amount of SIHA Vitamin B1 powder in a small amount of must or wine.

Add the dissolved SIHA Vitamin B1 into the fermentation must while stir constantly. Even distribution in the fermentation tank should be ensured by using high-performance mixers.

Product Characteristics

SIHA Vitamin B1 is a pure high-dosage thiamine. It is supplied as thiaminechloridehydrochloride and serves to increase the metabolism activity of yeast during alcoholic fermentation.

Safety

No negative effects are known when used as directed and properly processed.

Refer to the Safety Data Sheet on the reverse side for safety instructions.

Storage

SIHA Vitamin B1 powder remains stable for a period of approx. 2 years if the packaging remains intact. SIHA Vitamin B1 tablets can be safely stored for 3 – 4 years. Store the product in a dry place, tightly sealed in its packaging.

Delivery Information

The article number of SIHA Vitamin B1 tablets is 64.402 and is available in the following packaging units:

2 tablets of 300 mg (0.01 oz) each in blister
50 2-tablet blisters per carton

The article number of SIHA Vitamin B1 powder is 64.403 and is available in the following packaging units:

100 g (3.53 oz) compound aluminium foil

HS customs tariff: 2936 22 00

Certified Quality

SIHA Vitamin B1 is regularly tested for uniform high product quality during the production process.

These tests include comprehensive technical function criteria as well as safeness according to food product laws. Additional strict inspections are performed immediately prior to and during final packaging.

SIHA Vitamin B1 complies with the purity criteria of the international code for wine treatment products and the provisions of German wine regulations.



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