

# **Miracol Tangerine IPE HS**

(SYM\_681396, PHYT\_50194) - Flavour type Citrus

#### PROFILE DESCRIPTION

Full-fruity mandarin orange, sweetly rounded off with a vanilla note.

Topnote (Volatility): Full-fruity tangerine and orange Bodynote (Character): Sweet vanilla

Basenote (Longlasting): -



## **APPLICATION**

It can be used in feed for **calves** and **cattle**, and is designed for optimized citric flavour stability. The flavour is especially suitable for feeds with a high proportion of by-products from the processing of citrus products, as well as for enhancing the aroma of mixed feeds containing rapeseed. It **masks** undesired olfactory notes, especially erucic acid and glucosinolates.

It's an effective solution to add as an attractant to the concentrated feed within the robotic milking system.

## **CHEMICAL STABILITY**

Product harmonizes with acids (5)!

(The higher the ingredients' reactivity (1-10), the less responsive they are to acidic or alkaline feed components.)



## **HEAT STABILITY**

Normally, tangerine and citric flavours are very sensitive to heat oxygenation and get easily lost, especially under production conditions like pelleting. This product has been specially designed to provide a solution of optimized stability by using a special manufacturing process, resulting in reduced volatility (5). In addition, it is better protected against chemical reactions in the feed.



1 to 5 NOT suitable for thermal processes like pelleting

6 and 7 Heat-stable (flavour loss of up to 10%)

**8,9,10** Under high-temperature conditions (<95°C), minimal flavour loss (approximately 2-5%) occurs as a result of the inherent characteristics of the flavour ingredients.

## **ADDITIONAL INFO**

The flavour profile remains stable in the feed for a prolonged period, demonstrating superior longevity compared to Bigarol Tangerine IPE, and exhibits slower evaporation.

## **INCLUSION RATE**

~200 - 500 g/t final feed (depending on feed design requirements)

• Cattle mineral feed: 400-1.000 g/t

• Automatic milking system: 150-200g/t concentrate

## **TARGET SPECIES**



Also approved for Piglets, Swine (Pigs & Sows), Horses, Freshwater Fish and Rodents.