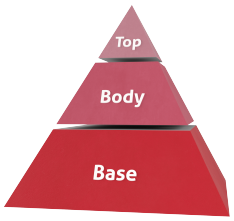
# Bigarol Apple IPE

**(SYM_873542, PHYT_50059) - Flavour type Apple**

## PROFILE DESCRIPTION

Fruity, ripe apple, rounded off with aromatic note of cinnamon.

Topnote (Volatility): Fruity
Bodynote (Character): Ripe apple
Basenote (Longlasting): Cinnamon




## APPLICATION

Flavour is used in **piglet** and **cattle** feed. It effectively **masks** the feed´s own notes and **undesired olfactory notes** as well as **amino acids** in the feed. Additionally, the sweet ripe apple note rounded off with cinnamon is well accepted in **piglets**, **especially in the presence of acids**. It can be used in feed for **horses**, too.

This sweet, apple-like aroma profile is also **preferred by rodents** (rabbits)**, lambs and sheep.**
It can be used very effectively in **fish bait**, particularly attracting **whitefish** such as bream, tench, and carp.

## CHEMICAL STABILITY

Feed acids can **significantly** enhance the fruit's character. It is feed acid-stable (**7**) and can buffer unpleasant acids (e.g., propionic acid).

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

## HEAT STABILITY

Product is heat-stable (**8**) and stable in mineral feed mixtures!

| | |
|---|---|
| **1** until **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. |

## INCLUSION RATE

~200 g/t final feed.
If the feed undergoes expansion (~120°C) or extrusion (~150°C), the inclusion rate should be multiplied by 1.5.

- Cattle mineral feed: 400-500 g/t
- Piglet mineral feed (4%): 5.000 g/t
- Horse sector: 200-400 g/t final feed
- Fish baits: 2.000 g/t of final bait

## TARGET SPECIES

Also approved for Freshwater Fish and Poultry