

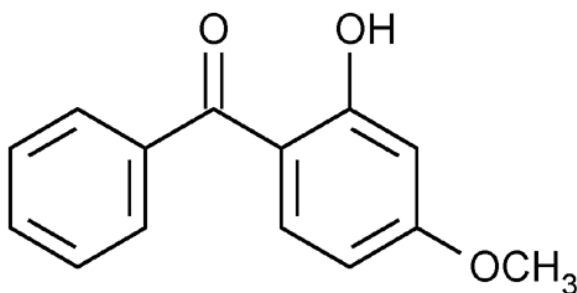
# AakoSun BP3

## Benzophenone-3

### Description

AakoSun BP3 is an oil soluble ultraviolet absorber widely used in sunscreens and cosmetics. As a broadband it's an effective absorber of UV A & UV B radiation. AakoSun BP3 has a high resistance to thermal degradation. The product is compatible with a wide variety of polymers. It can also offer protection of colorants against fading and help stabilize fragrances and active ingredients against degradation or oxidation.

▪ Chemical name	2-Hydroxy-4-methoxybenzophenone
▪ INCI/USAN name	Benzophenone-3 / Oxybenzone
▪ CAS number	131-57-7
▪ Formula	C <sub>14</sub> H <sub>12</sub> O <sub>3</sub> MW 228.24 g/mol
▪ UV A & B absorber	Oil Soluble powder



## AakoSun BP3

### Typical properties

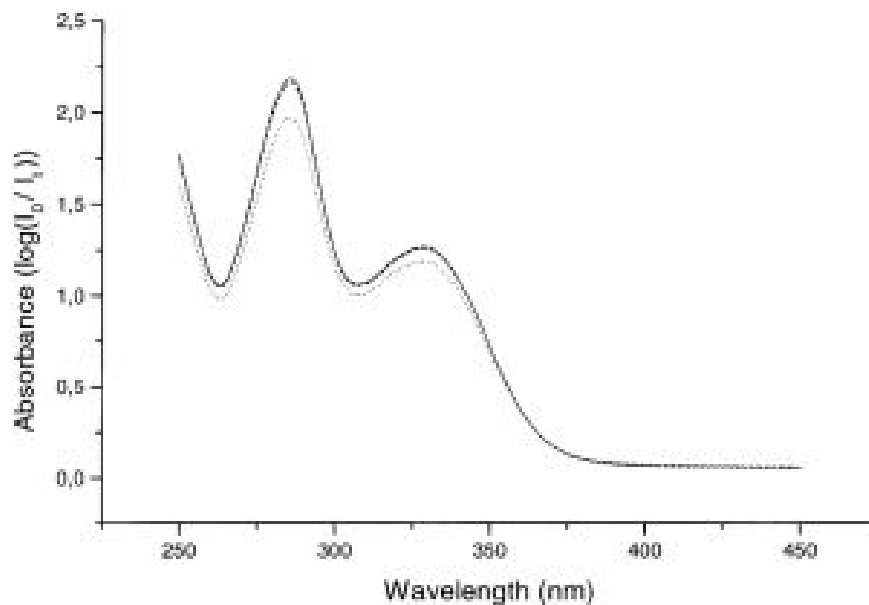
Appearance:	Pale greenish yellow crystalline powder
Assay:	97 – 103%
Melting Point	62 – 65 °C
Congeaing temperature	≥ 62 °C
Specific Extinction ( $E_{288}$ nm 1%, 1cm):	≥ 630
Specific Extinction ( $E_{325}$ nm 1%, 1cm):	≥ 410

### Regulatory Status:

EU	6% Max. as UV filter
Regulation (EC) No 1223/2009	Annex VI entry 4
EU	0.5% Max to protect product formulations

### Storage:

Must be stored in closed containers in dry cool conditions. Minimum shelf life of 4 years in unopened containers under appropriate conditions of storage.

**AAKO.**

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