

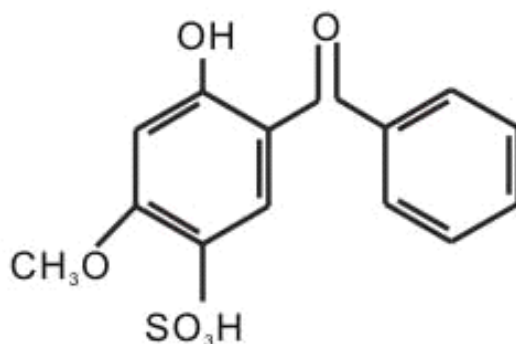
# AakoSun BP4

## Benzophenone-4

### Description

AakoSun BP4 is a water soluble ultraviolet UV A and UV B absorber widely used in sunscreen preparations. When combined with an oil soluble UV absorber it enables formulations with very high sun protection. AakoSun BP4 can help to stabilize the viscosity of gels based on polyacrylic acid under UV radiation. It can also offer protection of colorants against fading and help stabilize fragrances and active ingredients against degradation or oxidation.

▪ Chemical name	5-Benzoyl-4-hydroxy-2-methoxybenzenesulfonic acid
▪ INCI/USAN name	Benzophenone-4 / Sulisobenzone
▪ CAS number	4065-45-6
▪ Formula	C <sub>14</sub> H <sub>12</sub> O <sub>6</sub> S MW 308,31 g/mol
▪ UV A & B absorber	Oil soluble powder Water soluble after neutralisation with base



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### Typical properties

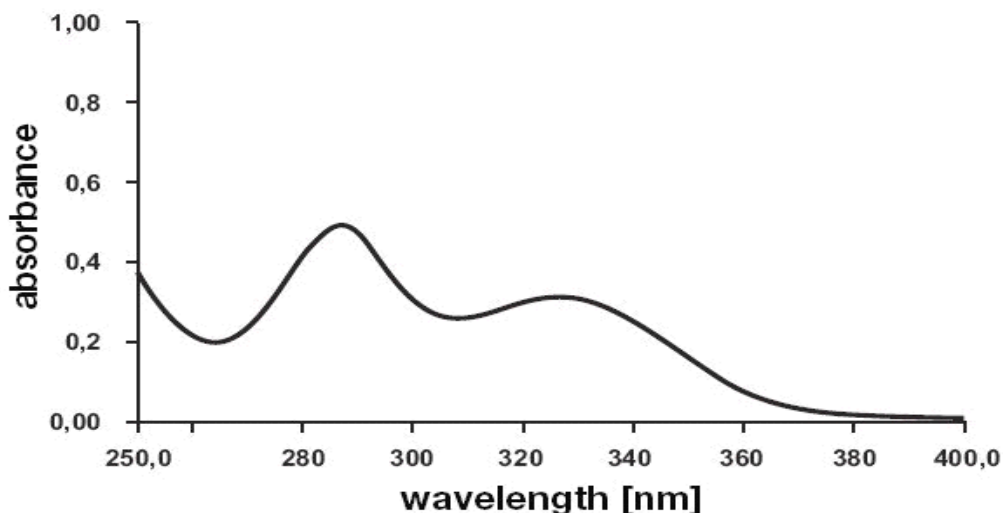
Appearance	Off-white or light yellow crystalline powder
Assay (HPLC)	≥ 99.0 %
Melting Point	> 140 °C
Loss on drying:	≤ 3.0%
Specific Extinction (Water E <sub>285</sub> nm1%, 1cm)	460 - 490
Specific Extinction (Water E <sub>325</sub> nm1%, 1cm)	285 - 315

### Regulatory Status:

EU Max. 5% as acid  
Regulation (EC) No 1223/2009 Annex VI entry 22

### Storage:

Keep product dry and protect containers from damage. Shelf life 24 months in original, unopened container. Once the containers are open, the remains should be sealed under an inert atmosphere again OR be consumed within 24 hours.



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