AakoSun HMS

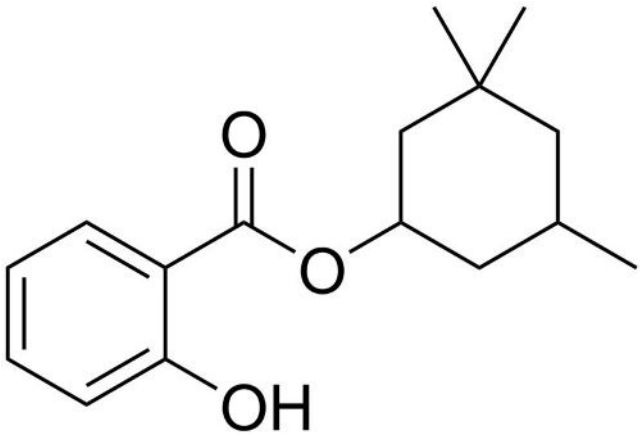
Homosalate

Description

AakoSun HMS is an oil-soluble UV B filter that is approved for use in sun-care preparations in many countries worldwide. As the AakoSun HMS is miscible with many emollients it is particularly suitable for water-repellent and water-resistant formulations. The AakoSun HMS is an effective solubilizer for crystalline UV absorbers such as AakoSun AVB, AakoSun BTZ and AakoSun BEMT.

See our guide formulations for inspiration.

▪ Chemical name	3,3,5-Trimethycyclohexyl salicylate
▪ INCI/USAN name	Homosalate / Homosalate
▪ CAS number	118-56-9
▪ Formula	$C_{16}H_{22}O_3$ MW 262,34 g/mol
▪ UV B absorber	Oil Soluble liquid



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AakoSun HMS

Typical properties

Appearance	Colourless to light yellow oily liquid
Purity	> 99%
Specific Extinction (E_{305} nm 1%, 1cm in Methanol):	170 – 180
Acidity	≤ 1.0 mg KOH/g
Refractive Index	1.516 – 1.519
Specific Gravity	1.049 - 1.053
Odour	Characteristic odour

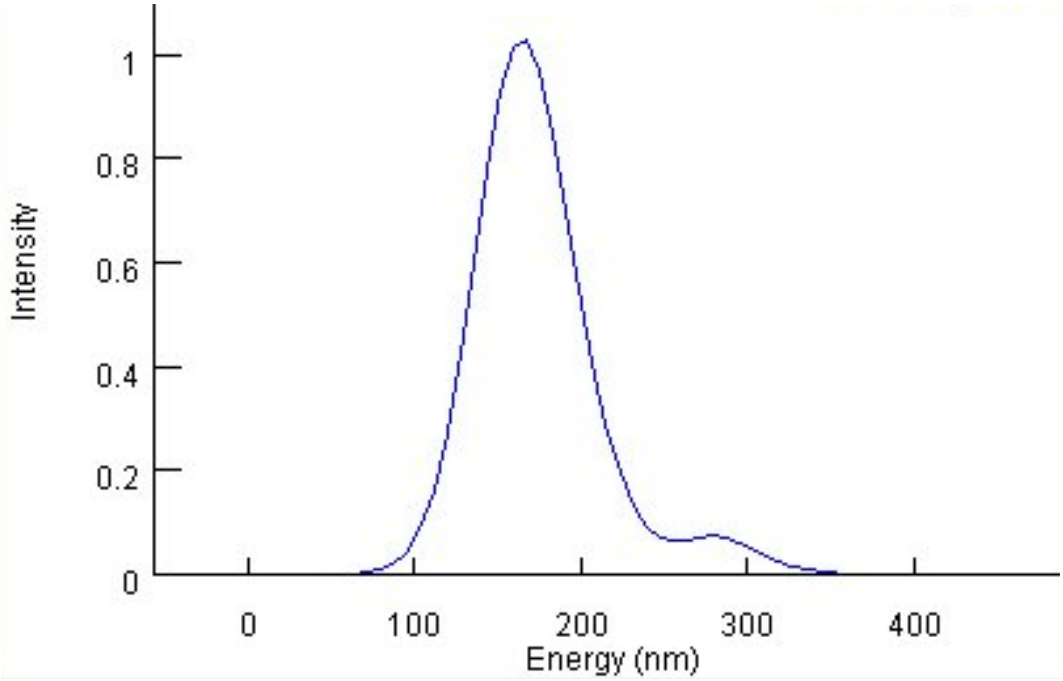
Regulatory Status:

EU 10% Max.

Regulation (EC) No 1223/2009 Annex VI entry 3

Storage:

Must be stored in closed containers in dry cool conditions. Minimum shelf life of 3 years under appropriate conditions of storage.



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