

AakoSun OCR

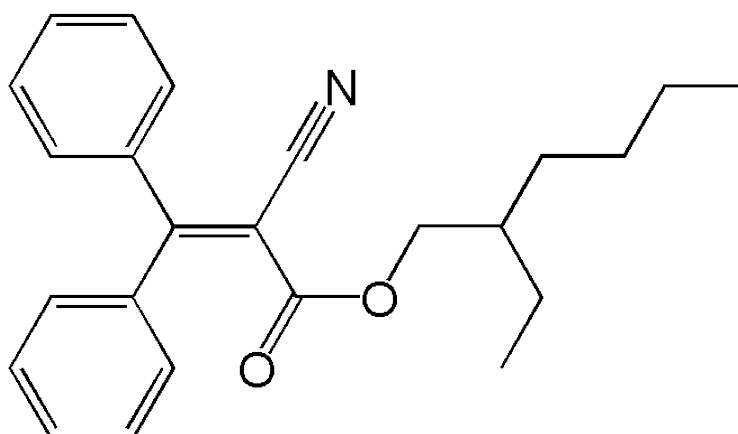
Octocrylene

Description

AakoSun OCR is an oil-soluble UV B filter that is approved for use in sun-care preparations in many countries worldwide. As it is hydrophobic and miscible with many emollients, it is particularly suitable for water-repellent and water-resistant formulations. It can be combined with other oil-soluble UV filters such as AakoSun OTZ and AakoSun BEMT to give products with a high SPF. AakoSun OCR also has excellent stability to light and helps to stabilize AakoSun AVB.

See our guide formulations for inspiration.

▪ Chemical name	2-Ethylhexyl-2cyano-3,3-diphenylacrylate
▪ INCI/USAN name	Octocrylene / Octocrylene
▪ CAS number	6197-30-4
▪ Formula	$C_{24}H_{27}NO_2$ MW 361,5 g/mol
▪ UV B absorber	Oil Soluble liquid



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Typical properties

Appearance	Clear yellow viscous liquid
Assay	95 – 105%
Specific Extinction (E ₃₀₅ nm 1%, 1cm in Methanol):	170 – 180
Acidity (mL of 0.1 mol/L NaOH per g)	<0.18 ml/g
Refractive Index	1.561 – 1.571
Specific Gravity	1.045 – 1.055
Odour	Characteristic odour
Gardner Color (NEAT)	≤ 6.0

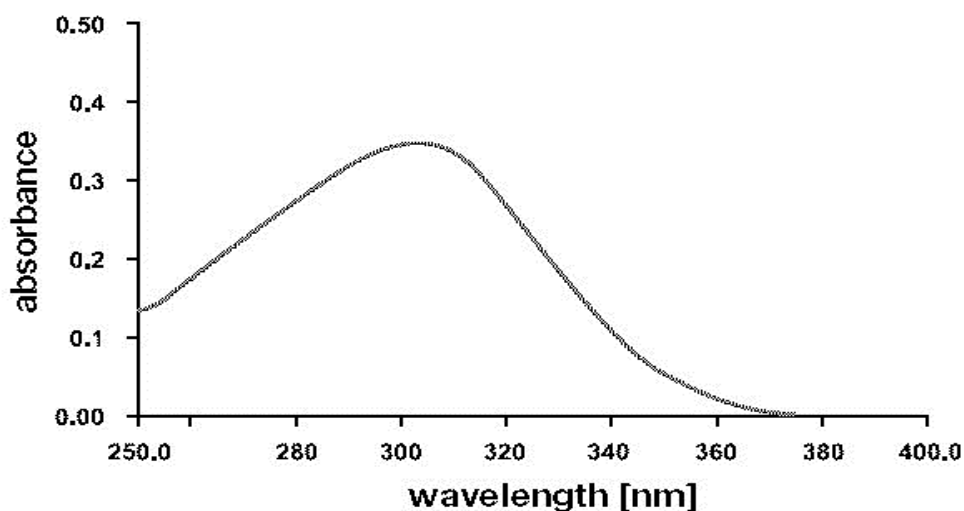
Regulatory Status:

EU 10% Max.

Regulation (EC) No 1223/2009 Annex VI entry 10

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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