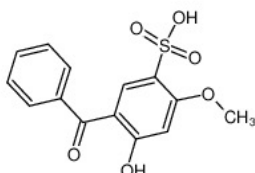


SULISOBENZONE

Product Name: Sulisobenzone
Product Code: MFSORB 101
Production Site: MFCI (Huanggang) Co., Ltd.

Properties

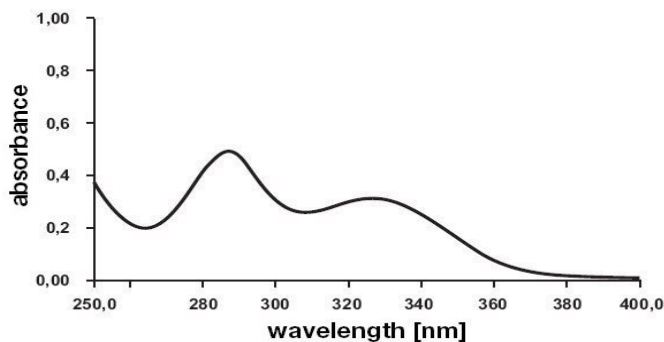
Structure:



Chemical Name: 2-Hydroxy-4-Methoxy Benzophenone-5-Sulphonic Acid
INCI Name: BENZOPHENONE-4
Other names: UV-284, BP-4
CAS No.: 4065-45-6
EINECS No.: 223-772-2
Chemical Formula: C₁₄H₁₂O₆S
Molecular Weight: 308.31

UV Characteristics

UV Characteristics:



Physical Property

Appearance: Off-white or light yellow crystalline powder
Identification: (USP) UV Absorptivities do not differ by more than 3.0%.
Assay (Titration): (USP) 97.0%~103.0%
Water Determination: (USP) 2.0% max
Residual Solvents: (USP) Ethanol: 5000ppm max

Specific Extinction (1% ,1cm) E₂₈₅: 460~490

	E ₃₂₅ : 285~315
Purity (HPLC):	≥ 99.0%
PH Value	1.2~2.2
Melting Point	≥ 140°C
Loss on Drying	≤ 3.0%
Turbidity in water	≤ 4.0EBC
Heavy Metals	≤ 5ppm
Gardner Color	≤ 2.0

Application

Benzophenone-4 is a water-soluble & is recommended for the highest sun protection factors. Tests have shown that Benzophenone-4 stabilizes the viscosity of gels based on polyacrylic acid (Carbopol, Pemulen) when they are exposed to UV radiation. Concentrations as low as 0.1% provides good results. It is used as ultra-violet stabilizer in wool, cosmetics, pesticides & lithographic plate coating. It must be noted that Benzophenone-4 is not compatible with Mg salts, particularly in water-oil emulsions. Benzophenone-4 has a yellow color that becomes more intensive in the alkaline range & may alter the due of colored solutions.

Packaging

25kgs/drum

Storage

Preserve in tight, light-resistant containers. The shelf life of Benzophenone-4 is 2 years in original, unopened containers. Once the containers are open, the remains should be sealed again and consumed within 24 hours. The sample must be storage in sealed condition.

HS Code

2914700090

NOTE

The data submitted in this publication are based on our current knowledge and experience. They do not constitute a guarantee in the legal sense of the term and, in view of the manifold factors that may affect processing and application, do not relieve those to whom we supply our products from the responsibility of carrying out their own tests and experiments. Any relevant patent rights and existing legislation and regulations must be observed.