



UV Absorbers Specialist

CERTIFICATE OF ANALYSIS


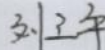
Mfsorb[®] 202

Product Name	Benzophenone-3 (Oxybenzone)	CAS No.	131-57-7
Batch No.	BP3-20230844	Batch Weight	1200kg
MFG. Date	2023.08.19	Retest Date	2027.08.18

Item	Specification	Result
Appearance	Pale greenish yellow crystalline powder	Conform
Odor	Similar in character and intensity to standard, very slight odor	Conform
Identification	A. Infrared Absorption <197K>	Conform
	B. The retention time corresponds to the standard.	Conform
Assay (HPLC)	97.0%~103.0%	99.8%
Congeeing Temperature	≥ 62.0°C	62.1°C
Loss on Drying	≤ 0.20%	0.11%
Impurities (HPLC)	Total impurities: ≤ 1.0%	0.046%
	Benzophenone-1: ≤ 0.2%	0.03%
	Single largest unspecified impurities: ≤ 0.10%	0.0019%
*Residual Solvents	Ethanol ≤ 5000ppm	/
Specific Extinction (1%, 1cm)	E ₂₈₈ ≥ 630	643
	E ₃₂₅ ≥ 410	418
Gardner Color	≤ 4.0	2.9

Conclusion: Meets the requirements of current USP monograph for Oxybenzone.

Remark: Conduct regular tests for Items with *.

Prepared by:  Date: 2024.03.22 Approved by:  Date: 2024.03.22