

CERTIFICATE OF ANALYSIS

Product Name:	Octyl 4-methoxycinnamate	CAS No. :	5466-77-3
Molecular Formula:	C18H26O3	Molecular Weight:	290.4
Batch No:	ST210320	Quantity:	7440KG
Manufacturing date:	2021.03.20	Expire date:	2022.03.19

Item	Specification	Results
Appearance	Colorless or light yellow liquid	Light yellow liquid
Odor	Very weak,characteristic	Conforms
Identification	Retention time should matches reference retention time	Conforms
Solubility	Soluble in most organic solvent, insoluble in water	Conforms
Specific extinction (E1% _{1cm} , 310nm, ethanol)	≥850	857
Acidity (0.1N NaOH,ml)	≤ 0.8	0.2
Acid value (mg KOH/g)	≤ 0.1	0.37
Specific gravity	1.005-1.013	1.006
Refractive Index	1.542-1.548	1.546
Peroxide Value	≤ 1.0	0.0
Color(Hazen)	≤70	33.5
A 1%/1cm (310nm in ethanol)	≥850	864
Individual impurity (%)	≤0.5	0.17
Total impurities (%)	≤2.0	0.695
Saponification Value	≥189	189.09
Assay, %	95.0~105.0	100.02
Purity(GC),%	≥98.0	99.305

Conclusion	The batch is in compliance with USP standards.
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Hangzhou Sartort Chemical Co., LTD

QC: *May Liu*

QA: *Cathy Shen*