



ORCHID CHEMICAL SUPPLIES LTD

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Certificate of Analysis

Chemical Name: 2-Ethylhexyl 4-methoxycinnamate

CAS No.:83834-59-7

PERIOD OF VALIDITY: 3 YEARS.

Invoice No.H25-1601601

Items	Specification	Results	
Appearance	Pale yellow liquid	Pale yellow liquid	
Hazen	70 max	41	
Odour	Slight characteristic	Slight characteristic	
Identity(IR)USP<197F>	Matches reference spectrum	Matches reference spectrum	
Identity(Retention time)USP<621>	Matches reference retention time	Matches reference retention time	
(E1%1cm,310nm,ethanol)/UV Specific extinction(E1%1cm,310nm,ethanol)USP<197U>	850 min	860	
Specific gravity (25°C)USP<841>	1.005-1.013	1.010	
Refractive index(20°C)USP<831>	1.542-1.548	1.546	
Peroxide value(%)	1.0 max	0.00%	
Acidity (0.1N NaOH)(USP)	0.8 max	0.20ml	
Chromatographic purity GC USP<621>	Purity(%)	99.0 min	99.2%
	Each impurity (%)	0.5 max	0.17%
	Total impurities (%)	2.0 max	0.81%
Assay(%)USP <621>	95.0-105.0	97.6%	
Conclusion		Qualified	
Material meets all the requirements of current USP standards			

APPROVED BY: BAI HE CHECKED BY: TAO SUN TESTED BY: WAN CHENG

SIGNED BY _____