



# Unilong Industry Co., Ltd

Add: No.2000 Shunhua Rd, High-Tech Zone , Jinan City, Shandong Province, China

## CERTIFICATE OF ANALYSIS

Product name:	O-CYMEN-5-OL; 4-ISOPROPYL-3-METHYLPHENOL; IPMP	Batch No.	20220905
Cas	3228-02-2	MF Date	SEP 05,2022
Packing	25KGS/DRUM	Analysis Date	SEP 05,2022
Quantity	200KGS	Expiry Date	SEP 04,2024
ITEM	STANDARD		RESULT
APPEARANCE	ALMOST NO ODOR,WHITE CRYSTALLINE POWDER OR CRYSTALLINE NEEDLE POWDER		CRYSTALLINE POWDER
IDENTIFICATION	TRITURATE SAMPLE WITH AN EQUAL AMOUNT OF CAMPHOR; THE MIXTURE LIQUEFIES.		COMPLIES
	DISSOLVE A SMALL SAMPLE IN 1ML OF GLACIAL ACETIC ACID, ADD 6 DROPS OF SULFURIC ACID AND 1 DROP OF NITRIC ACID; A RED-BROWN COLOR DEVELOPS.		COMPLIES
	TO 1G SAMPLE ADD 5ML OF A SOLUTION OF SODIUM HYDROXIDE (1→10) AND HEAT ON A WATER BATH; A COLORLESS OR LIGHT YELLOW LIQUID IS OBTAINED. TO THIS LIQUID ADD 2 TO 3 DROPS OF CHLOROFORM, WHILE WARM, AND SHAKE; A YELLOW-GREEN COLOR DEVELOPS.		COMPLIES
	THE SAMPLE SOLUTION EXHIBITS A MAXIMUM ABSORBANCE AT THE WAVELENGTH AT 279+2 NM.		COMPLIES
MELTING POINT	110~113℃		111.1~111.5℃
PURITY	CLARITY OF SOLUTION DISSOLVE 3.0G SAMPLE IN 10ML OF ETHANOL; THE SOLUTION IS CLEAR.		COMPLIES
	ORGANIC IMPURITIES: TLC		COMPLIES
	HEAVY METALS(PB)≤10PPM		<10PPM
	ARSENIC≤2PPM		<2PPM
ASSAY BY HPLC	≥99.0%		99.99%
CONCLUSION	CONFIRM TO ENTERPRISE STANDARD		

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