



# 嘉兴市中华化工有限责任公司

JIAXING ZHONGHUA CHEMICAL CO.,LTD.

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## CERTIFICATE OF ANALYSIS

Product	Vanillin Eternal Pearl brand	Date of Analysis	MAR.13.2023
Batch No.	232150056	MFG.Date	MAR.12.2023
Package	25kgDrums	EXP. Date	MAR.11.2026
Quantity	3000kgs	PO:	P023040703

Test Items	Standard	Test method	Results
Appearance	White to slightly yellow crystals,usually needles.	Eyeballing	Conformity
Odor	Odor and taste of vanilla	Paired comparison method	Conformity
Identification (Infrared spectra)	The spectrum of the sample exhibits relative maxima at the same wavelengths as those of the spectrum below.	IR	Conformity
Assay, % (on the dried basis)	$\geq 99.94$	GC	99.95
Loss on drying,%	$\leq 0.5$	Silica gel drier	0.04
Melting range, °C	81 - 83	Melting point apparatus	81.4
Residue on ignition,%	$\leq 0.05$	High temperature ignition	0.04
Heavy Metals(Pb),%	$\leq 0.001$	Colorimetry	<0.001
Arsenic,%	$\leq 0.0003$	Arsenic stain method	<0.0003
Solubility	Soluble in alcohol,chloroform,ether;1g dissolves in 100mL water at 25°C,in 20 mL glycerin,and in 20 mL water at 80°C.	Dynamic method	Conformity
Conclusion	This material complies with FCC X		



Reported By: Yu jiang ping Checked By: Ren yi fang Approved By: Zhou yong jun