



嘉兴市中华化工有限责任公司

JIAXING ZHONGHUA CHEMICAL CO.,LTD.

DA QIAO TOWN SOUTH, JIAXING,ZHEJIANG,CHINA www.zhhhg.com

CERTIFICATE OF ANALYSIS

Product	Vanillin Julan brand	Date of Analysis	FEB.24.2024
Batch No.	JL20240259	MFG.Date	FEB.23.2024
Package	25kgCarton	EXP. Date	FEB.22.2027
Quantity	17000kgs	PO:	P23-21272/005

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 (Infared 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)	≥ 99.90	GC	99.96
Loss on drying,%	≤ 0.5	Silica gel drier	0.06
Melting range, °C	81 - 83	Melting point apparatus	81.4
Residue on ignition,%	≤ 0.05	High temperature ignition	0.04
Heavy Metals(Pb),%	≤ 0.001	Colorimetry	<0.001
Arsenic,%	≤ 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: Li ping Approved By:Zhou yong jun

