

LIAONING SHIXING PHARMACEUTICAL AND CHEMICAL CO., LTD.

NO.4 JINHU NORTH ROAD, LONGGANG DISTRICT, HULUDAO, LIAONING, P.R.CHINA

TEL: 0086-0429-2202222 FAX:0086-0429-2091258

**XUESANTM Vanillin****FOOD additive – FCC compliant**
CERTIFICATE OF ANALYSIS

Report No: 0522041

| | |
|--------------------------------|-----------------------------------|
| Commodity: VANILLIN | Standard: FCC V / GB 1886.16-2015 |
| Packing: 25KG Fiber Drums | Quantity: 100GS |
| Batch No.: 0522041 | Testing Date: MAR. 16, 2022 |
| Production Date: MAR. 16, 2022 | Best Before Date: MAR. 15, 2024 |

| Analysis Item | Indexes | Analysis Result |
|--|---|-----------------|
| Characteristics | White to slightly yellow crystals, Usually needlelike | conformity |
| Odour | Characteristics of Vanillia | conformity |
| Solubility | 1g of vanillin soluble in 100ml water, 3ml 70% or 2ml 95% ethanol at 25℃, in 20ml glycerol, in 20 ml water at 80℃. Soluble in chloroform, ether | conformity |
| Melting Point | 81.0-83.0℃ | 81.0℃ |
| Purity (by GC) | ≥99.50% | 99.82% |
| Loss On Drying | ≤0.5% | 0.03% |
| Arsenic(As) | ≤0.0003% | <0.0003% |
| Heavy Metal (based on Pb) | ≤0.001% | <0.001% |
| Residue on ignition | ≤0.05% | 0.045% |
| Conclusion: The product has been conformed to GB 1886.16-2015, the food chemicals codex(FCC Fifth Edition), the USA Pharmacopoeia (USP NF 21 Revision) and European Pharmacopoeia 5.0 . | | |

辽宁世星药化有限公司
LIAONING SHIXING PHARMACEUTICAL AND CHEMICAL CO., LTD.

Chief of Quality:



Checker:



Inspector:

