



XI'AN JULONG BIO-TECH CO.,LTD

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Certificate of Analysis--Vitamin D3

| | | | |
|-------------------------------|---------------------|------------------------------|------------------------|
| Product Name | Vitamin D3 | Batch No | JL-20210228 |
| Quantity | 5000KG | Analysis Date | Feb.16th,2021 |
| Mfg. Date | Feb.28th,2021 | Exp. Date | Feb.27th,2023 |
| Package | 1KG/FOIL BAG | Standard | USP |
| Items | Methods | Specifications | Results |
| Description | Visual | white to free-flowing powder | white free-flowing |
| Assay | HPLC | $\geq 1,000,000\text{IU/g}$ | 1,002,000IU/g |
| Loss on Drying | USP<731> EP2.2.32 | $\leq 5.0\%$ | 3.10% |
| Sieve Analysis | USP<786> EP2.9.12 | 100% pass No.40 | Conforms |
| | | $\geq 90\%$ pass No.60 | |
| | | $\geq 45\%$ pass No.100 | |
| Heavy Metal(as Pb) | USP<231>II EP2.4.8 | $\leq 10\text{mg/kg}$ | $< 10\text{mg/kg}$ |
| Lead | USP<231>II EP2.4.8 | $\leq 3\text{mg/kg}$ | $< 3\text{mg/kg}$ |
| Arsenic (as As) | USP<211> II EP2.4.2 | $\leq 1\text{mg/kg}$ | $< 1\text{mg/kg}$ |
| Cadmium | / | $\leq 1\text{mg/kg}$ | $< 1\text{mg/kg}$ |
| Mercury | / | $\leq 0.1\text{mg/kg}$ | $\leq 0.1\text{mg/kg}$ |
| Total aerobic microbial count | USP<2021> EP2.6.12 | $\leq 1000\text{cfu/g}$ | $< 100\text{cfu/g}$ |
| Total moulds & yeasts count | USP<2021> EP2.6.12 | $\leq 100\text{cfu/g}$ | $< 10\text{cfu/g}$ |
| Enterobacterial | USP<2021> EP2.6.13 | $\leq 10\text{cfu/g}$ | $< 10\text{cfu/g}$ |
| Salmonella | USP<2022> EP2.6.13 | n.d./25g | Certified |
| Escherichia coli | USP<2022> EP2.6.13 | n.d./10g | Certified |
| Staphylococcus aureus | USP<2022> EP2.6.13 | n.d./10g | Certified |
| Pseudomonas aeruginosa | USP<2022> EP2.6.13 | n.d./10g | Certified |

QC MANAGER: 董卓 INSPECTOR: 张赞 ANALYST: 王胜利

