



LUOTIAN XINPUSHENG PHARMACEUTICAL CO.,LTD.

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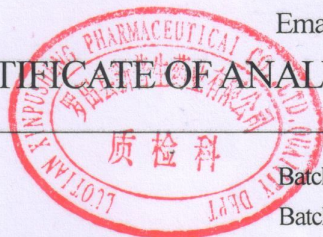
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CERTIFICATE OF ANALYSIS



| | |
|---|-----------------------------|
| Product name: Melatonin | Batch Weight: 250KG |
| Standard: USP40 | Batch NO: XPSM181130 |
| Characteristics: A white to off-white crystalline powder. Slightly soluble in water, soluble in acetone, ethyl acetate and methanol | |
| Manufacturing Date: 2018.11.30 | Expiration Date: 2020.11.29 |
| Packaging and Storage: Preserve in tight containers, protected from light. | |

RESULT OF ANALYSIS

| ITEM | STANDARD | RESULT | |
|---------------------------|---------------------|-----------|---------|
| Identification | IR | Conform | |
| | UV | Conform | |
| | HPLC | Conform | |
| Chloride and sulfate | 0.02%MAX | <0.02% | |
| Loss on drying | 1.0%MAX | 0.07% | |
| Residue on ignition | 0.1%MAX | 0.06% | |
| Heavy metals | Pb | 1ppmMAX | <1ppm |
| | As | 1.5ppmMAX | <1.5ppm |
| | Hg | 1.5ppmMAX | <1.5ppm |
| | Cd | 0.5ppmMAX | <0.5ppm |
| Impurities | Individual impurity | 0.1%MAX | 0.053% |
| | Total impurity | 1.0%MAX | 0.48% |
| Assay(on the dried basis) | 98.5~101.5%MIN | 99.45% | |

CONCLUSION: COMPLY WITH THE REQUIREMENTS OF USP40

DIRECTOR

INSPECTOR