



27/09/2023

Hallochem Group

HALLOCHEM

Chongqing Waycome Pharmaceutical Co.,Ltd.

## CERTIFICATE OF ANALYSIS

|                |            |               |             |
|----------------|------------|---------------|-------------|
| Product name   | Melatonin  | Batch No.     | MTN20250902 |
| Manuf. Date    | 2025-09-11 | Expiry Date   | 2030-09-10  |
| Batch Quantity | 150kg      | Test Standard | EP11.0      |

| TEST                | SPECIFICATIONS                                                                                                                   | RESULTS              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Appearance          | White to yellowish powder                                                                                                        | Conform              |
| Identification      | Conforms to standard                                                                                                             | Conforms to standard |
| Solubility          | Slightly soluble in water, soluble in ethanol(96%)<br>Sparingly soluble in ethyl acetate and<br>Practically insoluble in heptane | Conform              |
| Melting point       | 117 ~120°C                                                                                                                       | 119.0-119.4 0°C      |
| Assay               | 98.0 ~ 102.0%                                                                                                                    | 99.70%               |
| Individual impurity | ≤ 0.10%                                                                                                                          | 0.02%                |
| Total impurities    | ≤ 0.5%                                                                                                                           | 0.1%                 |
| Sulfated ash        | ≤ 0.1%                                                                                                                           | 0.04%                |
| Heavy metals        | ≤1 0ppm                                                                                                                          | <10ppm               |
| Water               | ≤ 0.3%                                                                                                                           | 0.10%                |

Conclusion: The product complies with the requirements of EP11.0 standard

Quality Manager:



Rechecker:



Analyst:



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