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## Certificate of Analysis

**Product Description:** Melatonin  
**Catalog Number:** 102254  
**Lot:** SR01237**Formula:** C<sub>13</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>  
**CAS #:** 73-31-4  
**Physical Description:** Off-white Powder**Formula Weight:** 232.28  
**Storage:** -20°C

Test	Specification	Result
Identity Test	Passes	Passes
Melting Point	114 - 124°C	116 - 117°C
FTIR	Conforms to Standard	Conforms to Standard
UV/Vis: $\lambda$ max (methanol)	222 - 225, 276 - 279 nm	224.5, 277.5 nm
Moisture	≤1%	0.3%

Residue on ignition: 0.07%  
Heavy metals: <10 ppm  
Particle size: 80 - 120 mesh  
Assay (HPLC): 99.35%  
Recommended Retest Date: 06/17/2023



06/19/2019 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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