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## Typical Product Specifications & Properties

# Melatonin

CAS Number: : 73-31-4

| Specifications                 | Limits                                 |
|--------------------------------|----------------------------------------|
| Melting Point                  | 117 - 120C                             |
| Appearance                     | White or pale-white crystalline powder |
| Identification                 | Positive                               |
| Sulfated Ash                   | <= 0.1%                                |
| Heavy Metals                   | <= 20 ppm                              |
| Particle Size                  | >= 120 mesh                            |
| Residual Solvents              | <= 500 ppm (Toluene)                   |
| Assay (HPLC)                   | 98.00 - 102.00%                        |
| Residue on Ignition            | <= 0.5%                                |
| Total Bacteria                 | <= 103/g                               |
| Total Molds and Yeasts (per g) | <= 102/g                               |
| Assay                          | 98.00 - 102.00% (TLC)                  |



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| Specifications   | Limits        |
|------------------|---------------|
| Loss on Drying   | $\leq 0.10\%$ |
| E Coli           | Negative/g    |
| Total Impurities | $\leq 0.50\%$ |



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