



ART VATIKA INSTITUTE

One Stop Solution to all Your Cosmetic Needs

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|----------------------|---|--------------------------------|---------------------|
| Material Name | Hydrolyzed Keratin | Batch No. | 211SBCM220731032 |
| Quantity | 200kgs | Exp Date | 2025.7.30 |
| Manufacturer | 2022.07.31 | | |
| | | | |
| S. No. | Test Parameter | SPECIFICATION | RESULTS |
| 1 | Parameter | White to off-white fine powder | White fine powder |
| 2 | Appearance | ≥95% | 96.50% |
| 3 | Assay(Titration) | 45.0~55.0 | 46.70% |
| 4 | Leucine content(HPLC) | 22.5~27.5% | 23.2 |
| 5 | Isoleucine Content(HPLC) | 22.5~27.5% | 23.10% |
| 6 | Valine Content(HPLC) | 0.5%~1.0% | 0.80% |
| 7 | Sunflower Lecithin | ≥98.0% | 98.30% |
| 8 | Transmittance | ≥0.35g/ml | 0.39g/ml |
| 9 | Bulk Density | ≥0.50g/ml | 0.56g/ml |
| 10 | Tapped Density | <10ppm | <10ppm |
| 11 | Heavy metals(Pb) | <3ppm | <3ppm |
| 12 | Lead | <1ppm | <1ppm |
| 13 | Cadmiun | <1ppm | <1ppm |
| 14 | Arsenic(As) | ≤0.1ppm | <0.1ppm |
| 15 | Mercury | <1.0% | 0.30% |
| 16 | Loss on drying | ≤1.0% | 0.12% |
| 17 | Residue on ignition | <1000cfu/g | <1000cfu/g |
| 18 | Total plate count | <100cfu/g | <100cfu/g |
| 19 | E.Coli | Negative | Negative |
| 20 | Salmonella | Negative/25g | Negative/25g |
| 21 | Particle Size Range | ≥90% through 80 Mesh | 98% through 80 Mesh |
| 22 | Packaging:25KG/drum packed with double layer polyethylene bag as thet | --- | --- |
| 23 | Conclusion | PASS | |
| | | | |
| Chemical Name : | Hydrolyzed Keratin | | |
| CAS Number : | | | Approved By |
| | | | |

Opinion: The sample Complies with prescribed standard of quality with respect to above tests.

