



SWISS HERBAL  
INSTITUTE

## Certificate of Analysis

|                 |                              |                   |            |
|-----------------|------------------------------|-------------------|------------|
| Product Name:   | Maca Extract                 | Batch Number:     | 03032402-3 |
| Botanical Name: | <i>Lepidium meyenii Walp</i> | Manufacture Date: | 07.09.2025 |
| Used part:      | Root                         | Expiry Date:      | 06.09.2028 |

| IDENTIFICATION         |                     | SPECIFICATION       | RESULT   |
|------------------------|---------------------|---------------------|----------|
| Extract ratio (by TLC) |                     | 100:1               | Complies |
| Physical               | Appearance          | Brown yellow powder | Complies |
|                        | Odor                | Characteristic      | Complies |
|                        | Tasted              | Characteristic      | Complies |
|                        | Particle Size       | 90% pass 80 mesh    | Complies |
|                        | Loss on drying      | ≤ 5%                | 3.50%    |
|                        | Total ash           | ≤ 5%                | 3.25%    |
| Chemical               | Heavy Metals        | ≤10 ppm             | Complies |
|                        | Lead (Pb)           | ≤2 ppm              | Complies |
|                        | Arsenic (As)        | ≤2 ppm              | Complies |
|                        | Cadmium (Cd)        | ≤2 ppm              | Complies |
|                        | Mercury (Hg)        | ≤1ppm               | Complies |
| Microbial              | Total Plate Count   | ≤ 10000 cfu/g       | Complies |
|                        | Yeast & Mold        | ≤ 1000 cfu/g        | Complies |
|                        | Coliforms           | Negative            | Complies |
|                        | Pathogenic bacteria | Negative            | Complies |

|      |                   |                                     |
|------|-------------------|-------------------------------------|
| Else | Storage condition | Sealed, kept in shady and dry place |
|      | Shelf life        | Three years                         |

