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## CERTIFICATE OF ANALYSIS (CoA)

|                  |                                             |              |             |
|------------------|---------------------------------------------|--------------|-------------|
| Product Name:    | Lion's Mane CO <sub>2</sub> Extract (660:1) | Report Date: | 29.07.2026  |
| Scientific Name: | <i>Hericum erinaceus</i>                    | Batch No.:   | MTZC052926  |
| Production Date: | 22.07.2026                                  |              |             |
| Expiry Date:     | 22.07.2028                                  | Storage:     | Below 25 °C |

| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Specification           | Result       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------|
| Apperance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Paste                   | Conforms     |
| Color                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown                   | Conforms     |
| Odor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Specific, mushroom-like | Conforms     |
| Sum of Hericenones C-H and hericenones A-D <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Min. 10.0%              | 38.9%        |
| Hericenone C <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Min. 3.00%              | 3.48%        |
| Ergosterol <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Min. 8.00%              | 8.11%        |
| Pesticides* <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | < 1 mg/kg               | Not detected |
| *Biphenyl, 2,6-Dichlorobenzonitrile, 3,4-Dichloroaniline, Methacrifos, Ethalfluralin, Trifluralin, Benfluralin, Tetrahydrophthalimide, Tetrachloronitrobenzene, 2,3,5,6-Tetrachloroaniline, Profluralin, Diphenylamine, Sulfotepp, Fluchloralin, Terbufos, Pentachloronitrobenzene, Dichloran, Pentachlorobenzonitrile, Prodiamine, Pentachloroaniline, Chlorothalonil, Fenchlorphos (Ronnel), Tolclofos-methyl, Isopropalin, Malathion, Dichlofluanid, Bromophos methyl, Pendimethalin, Fenthion, Bromophos-ethyl, Chlorfenvinphos, Tolyfluanid, Bromfenvinphos methyl, Prothiofos, Oxyfluorfen, Tetrachlorvinphos, Bromfenvinphos ethyl, Profenofos, Fenamiphos, Iodofenphos, Chlorthiophos, Nitrofen, Ethion, Sulprofos, Carbophenothion, Nitratin, Edifenphos, Leptophos, Coumaphos |                         |              |
| Microbiology <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |              |
| Total aerobic mesophilic bacteria count                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 100 CFU/g             | < 10 CFU/g   |
| Total yeast and mold count                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | < 100 CFU/g             | < 10 CFU/g   |
| Presence of <i>Escherichia coli</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Absence                 | Not detected |
| Presence of <i>Staphylococcus aureus</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Absence                 | Not detected |
| Presence of <i>Salmonella</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Absence                 | Not detected |
| Presence of <i>Candida albicans</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Absence                 | Not detected |
| Heavy Metals <sup>4</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |              |
| Arsenic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 1 mg/kg               | Not detected |
| Cadmium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 1 mg/kg               | Not detected |
| Nickel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | < 1 mg/kg               | Not detected |
| Lead                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | < 1 mg/kg               | Not detected |
| Mercury                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 1 mg/kg               | Not detected |
| Ag, Al, Cr, Cu, Fe, Mn, Sn, V, Zn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | < 1 mg/kg               | Not detected |

<sup>1</sup> Method HPLC DAD C8

<sup>2</sup> Method PB-CL-4:2019/wyd.2. z 04.06.2020/GCMS/NA

<sup>3</sup> Method PN-ISO 16649-2:2004, PN-ISO 6888-2:2022-03, PN-ISO 6579-1:2017-04+A1:2020-09, PN-EN 15763:2010

<sup>4</sup> Method PB-CL-5:2019/wyd.3. z 30.05.2021r./ICP/NA

Approved by: Wojciech Krzyczkowski, PhD