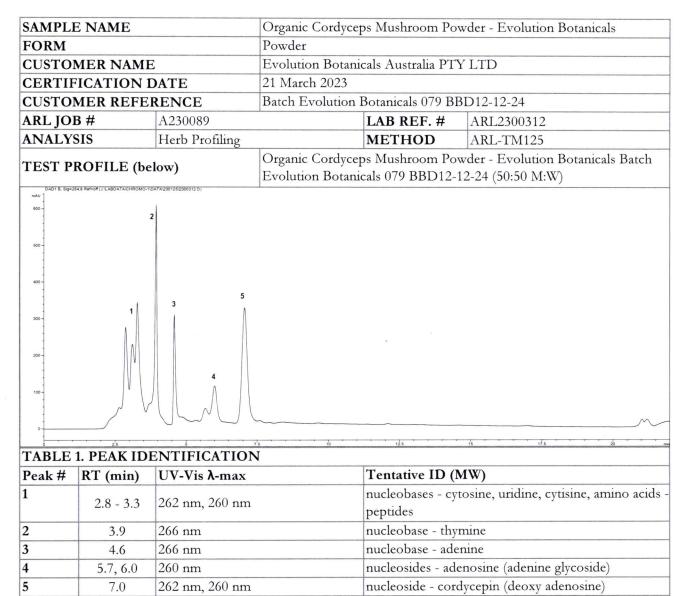


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CERTIFICATE OF ANALYSIS



COMMENTS

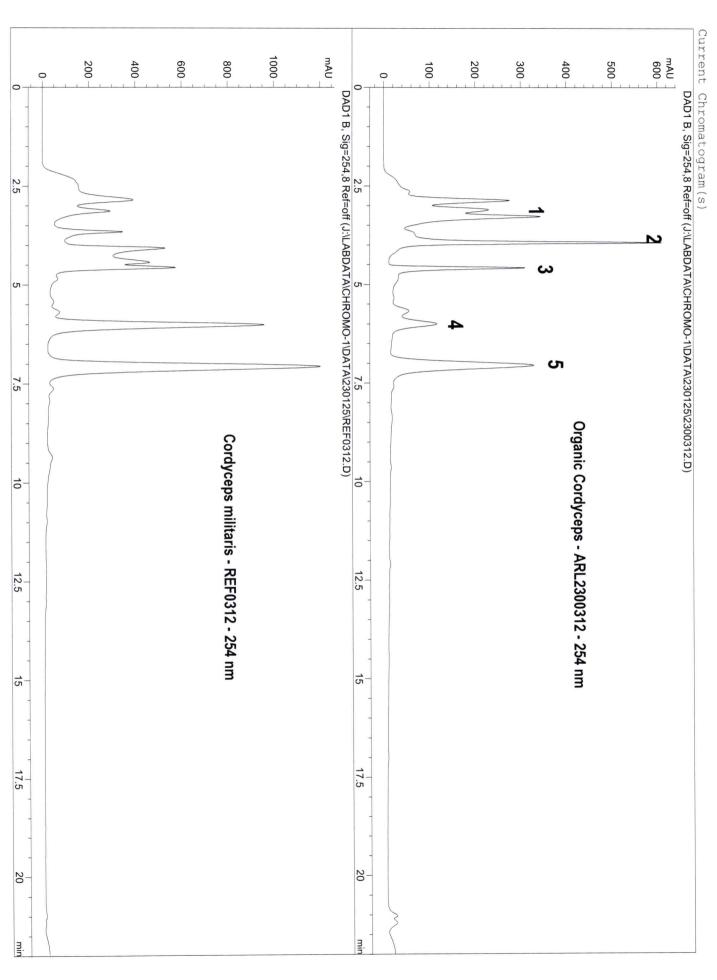
The HPLC 254 nm profile of the test sample Organic Cordyceps Mushroom Powder is given above with some major components from the plant extracts indicated. The peaks identified are consitent with previously reported nucleobases and nucleosides (nucleobase glycosides) reported from Cordyceps (Ophiocordyceps chinensis and O. militatirs) based on characteristic spectra and comparison with reference materials and published literature. Spectral data in support of peak identification is attached.

QC AUTHORISED

Reference: Dictionary of Natural Products, CRC Press, 2020

Quality evaluation of Cordyceps through simultaneous determination of eleven nucleosides and bases by RP-HPLC, J. Sep. Sci. 2006,29, 953–958

Qualitative and quantitative determination of nucleosides, bases and their analogues in natural and cultured Cordyceps by pressurized liquid extraction and high performance liquid chromatography—electrospray ionization tandem mass spectrometry (HPLC–ESI–MS/MS), Analytica Chimica Acta 567 (2006) 218–228



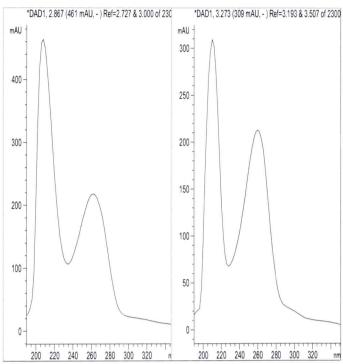


Figure 1. UV-Vis spectra of peaks #1 identified as nucleobases likely including cytosine, uridine and cytisine as rpeviously reported in *Ophiocordyceps* spp.

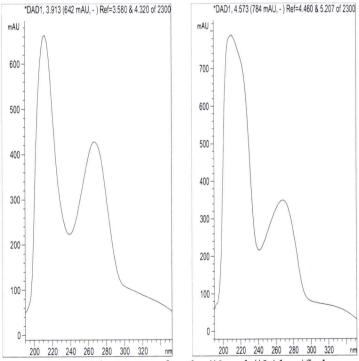


Figure 2. UV-Vis spectra of peaks #2 and #3 identified as nucelobases thymidine and adenosine based on characteristic spectra and report previous report in *Ophiocordyceps* spp.

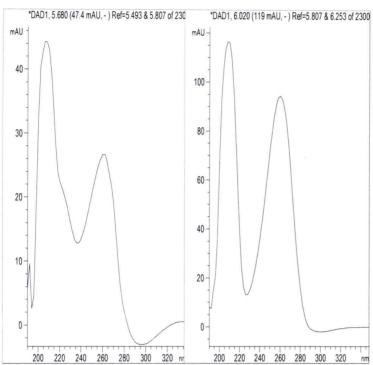


Figure 3. UV-Vis spectra of peaks #4 identified as nuclesides, nucelobase glycosides, priarily adenosine as previously reported and characteristic of *Ophiocordyceps* spp.

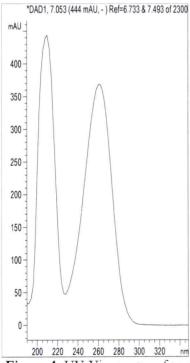


Figure 4. UV-Vis spectra of peak #5 identified as the nuceloside cordycepin, or deoxyadenosine, as previously reported in and characteristic of *Ophiocordyceps militaris*