



Certificate of Analyses

Product Name: Cordyceps CS4 Extract	Botanical Name: Cordyceps sinensis
Batch Number: CSE-19112101	Origin of raw material: China
Quantity: 1.500 kg	Date of Manufacture: 21.11.2019
Date of Expiry: 20.11.2023	

Item	Specification	Result	Test-Method
Assay (Polysaccharides)	30% min	Complies	CP2010-UV
Physical Control			
Appearance	Conforms with reference	Complies	Organoleptic
Smell	Conforms with reference	Complies	Organoleptic
Taste	Conforms with reference	Complies	Organoleptic
Particle Size	60-72 mesh	Complies	Sieve analysis
Chemical Control			
Loss on Drying	< 5%	Complies	5g100°C / 2.5hrs
Ash	< 10%	Complies	2g525°C/3hrs
Heavy Metal:			
Lead	2 ppm Max	Complies	VDLUFA III, 17.9.1
Mercury	0.1 ppm Max	Complies	§64 LFGB L 00.00- 19/4
Cadmium	1 ppm Max	Complies	VDLUFA III, 17.9.1
Pesticides: ALL must comply with European standard - List of pesticides in: QS-COA-PESTI-1			
Carbendazim and benomyl (sum)	< 1 mg / kg	Complies	HPLC/GC
2-phenylphenol	< 0,05 mg / kg	Complies	HPLC/GC
Metalaxyl and metalaxyl-M (sum)	< 0,05 mg / kg	Complies	HPLC/GC
2,4-D (sum of 2,4-D)	< 0,05 mg / kg	Complies	HPLC/GC
Acetamiprid	< 0,01 mg / kg	Complies	HPLC/GC
Polycyclic aromatic hydrocarbons			
Sum of Benzoapyren, Benzantracen, Benzo(b)fluoranthen and Chrysen	<0,050 mg / kg	Complies	VDLUFA VII, 3.3.3.2
Microbiological:			
TAMC (TPC)	< 100.000 cfu/g	Complies	DIN EN ISO 7218
TYMC (Yeast and Mould)	< 5.000 cfu/g	Complies	ISO 21527: 2008
E.Coli	Absent	Complies	LST-Bouillon/TBX
Salmonella	Absent/25g	Complies	DIN EN ISO 6579
Staphylococcus	Absent/25g	Complies	ISO 6888-3 (mod.)
Packaging:			
25KG/drum, Pack in paper-drums and two plastic-bag inside.			
Further:			
This product is not irradiated and is non-GMO according to EC 1829/2003 and 1830/2003.			
This product is BSE/TSE free. Radioactivity (Cs134 + Cs137)<370 Bq/kg [Scintillation].			
Date of expiry: minimum 4 years after production - see expiry date			