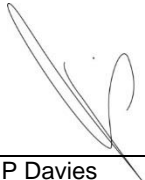


CERTIFICATE OF ANALYSIS

Product: Reishi / Lingzhi Mushroom Extract (Hot Water)
 Botanical/Plant Material: *Ganoderma lucidum*
 Manufactured for: Mushroom Guru (Pty) Ltd
 Production Date: 14 July 2017
 Expiration Date: 14 July 2019
 Lot Number: DV MGGL-diH₂O:E 01-07/17
 Country of Origin: South Africa
 Harvesting protocol: In accordance with the conservation control authority of South Africa

PARAMETER	SPECIFICATION	METHOD	RESULT
Plant Part Used:	Antler	Visual	Pass/Verified
Appearance:	Powder	Visual	Pass/Verified
Colour:	Tan to Light Brown	Visual	Pass/Verified
Odour and Taste:	Odour and Taste Characteristic	Organoleptic	Pass/Verified
Plant / Extract Fraction:	30:1	S/L	Pass/Verified
Active Ingredient:	Polysaccharides, sterols, mannose, glucose & Beta-glucans	HPLC	Pass/Verified
Excipient:	None	3 rd party CoA	Pass/Verified
Solubility:	Water Soluble	Physical	Pass/Verified
Moisture:	NMT 5%	AOAC 950.46	2.7%
TLC [Thin layer Chromatography]:	As per Reference Standard	TLC	Pass/Verified
Particle Size:	140-220µm	Sieve	Complies
Heavy Metals – Lead:	< 3.0ppm	AOAC 984.27	Complies
– Cadmium:	< 1.0ppm	AOAC 984.27	Complies
– Mercury:	< 0.10ppm	AOAC 984.27	Complies
Coliforms:	< 10cfu/g	ISO 4832	Non-detected
Total aerobic count:	< 1000cfu/g	MFHPB-18	Complies
Yeast and Mould:	< 100cfu/g	AOAC 6.1:1997	Complies
Escherichia Coli:	Absent	ISO 16649-2	Non-detected
Staph. Aureus:	Absent	ISO 6888-2	Non-detected
Salmonella:	Absent	SANS 6579:2003	Non-detected
Storage and Handling:	Closed, sealed storage container. Cool and dry conditions – less than 23° C This product is non-GMO		

Please keep dry and away from direct sunlight!


 R P Davies
 24 July 2017

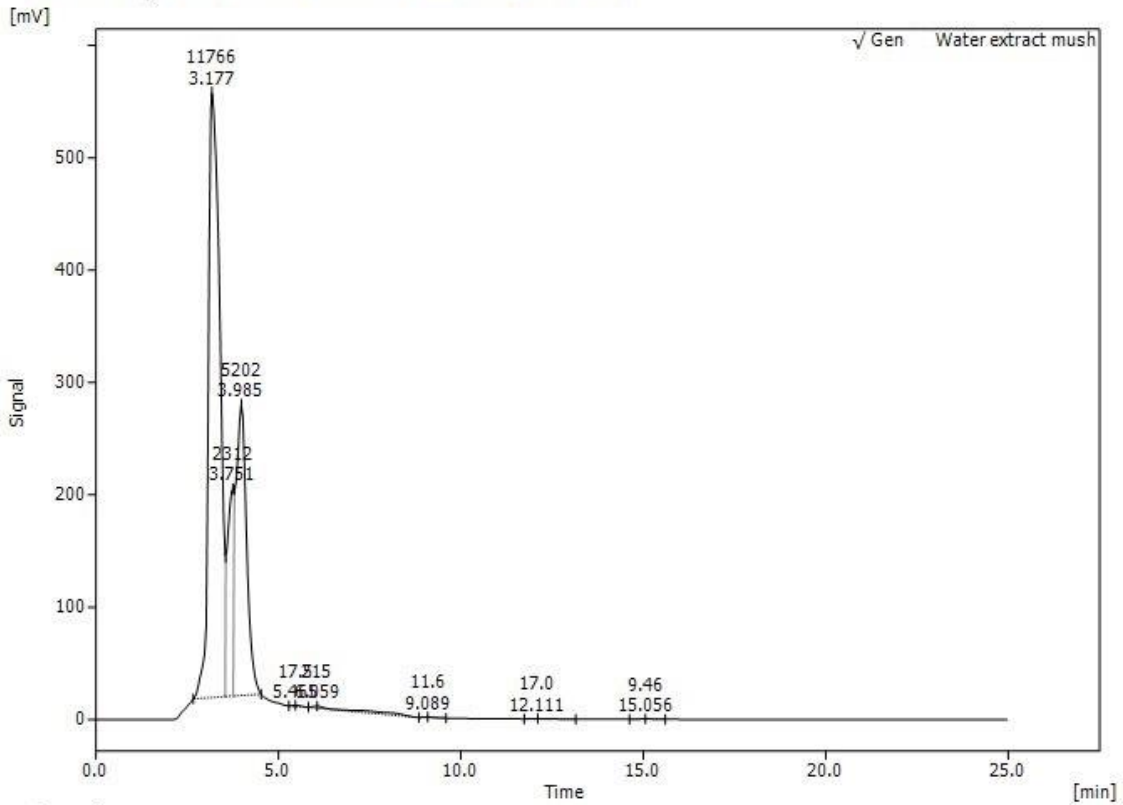
*This information is believed to be current and correct but is provided without any warranty expressed or implied.
 Customers are advised to determine in advance the safe conditions of use for this product.*

HPLC Chromatograph

1 / 1

Water extract mushroom 245nm 0.5 flow

Print Time: 2017/07/20 03:38:55 PM
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{Result} Set:

All Dtec. Peak, Unident PeakResponse: 1[Area]

	Compound Name	Peak Style	Retain [min]	Area [mV.s]	AreaPer [%]	Height [mV]	Amount [-]
1		Overlap	3.177	11766.390	60.183	539.136	11766.390
2		Overlap	3.751	2312.440	11.828	184.763	2312.440
3		Overlap	3.985	5201.861	26.606	259.381	5201.861
4		Overlap	5.465	17.480	0.089	0.913	17.480
5		Overlap	6.059	214.858	1.099	1.988	214.858
6		Single	9.089	11.637	0.060	0.581	11.637
7		Single	12.111	17.041	0.087	0.425	17.041
8		Single	15.056	9.463	0.048	0.306	9.463
Total				19551.170	100.000	987.491	19551.170

Method for Mushroom Guru

Column and size: Luna 5 µm C18, 150 x 4.6 mm
 Flow: 0.5mL/min
 Detection: UV 245nm
 Mobile phase: Methanol 90% (containing 0.5% acetic acid) : Water 10%