

Supplementary Materials: Multiple Mycotoxin Contamination in Medicinal Plants Frequently Sold in the Free State Province, South Africa Detected Using UPLC-ESI-MS/MS

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Table S1. Medicinal plants screened for mycotoxins.

Scientific Name	Family	Local Name	FI (%)	Sample	Location
<i>Hypoxis hemerocallidea</i> Fisch., C.A.Mey. & Avé-Lall.	Hypoxidaceae	Ilabatheka / Moli	38	MS11	Dewetsdorp
<i>Dicoma anomala</i> Sond.	Asteraceae	Hloenya	33	SV07	Zastron
<i>Elephantorrhiza elephantina</i> Burch. Skeels	Fabaceae	Mosetsane	31	SV10	Bethlem
<i>Helichrysum odoratissimum</i> L. Sweet	Asteraceae	Mpepa	31	SV14	Kroonstad
<i>Tulbaghia alliacea</i> L.f.	Alliaceae	Umwelela / Molela	25	MS10	Dewetsdorp
<i>Pentanisia prunelloides</i> Klotzsch ex Eckl. & Zeyh.	Rubiaceae	Setima-mollo	23	SV02	Bloemfontein
<i>Bulbine narcissifolia</i> Salm-Dyck	Asphodelaceae	Kgomo-ea - balisa	19	MS13	Thaba Nchu
<i>Alepidea amatymbica</i> Eckl. & Zeyh	Apiaceae	Lesoko	19	MS15 & SV19	Welkom & Bethlehem
<i>Xysmalobium undulatum</i> L.	Apocynaceae	Poho-tshehla/Pohotsh ehele	19	SV04	Thaba 'Nchu
<i>Clivia miniata</i> (Lindl.) Regel	Amaryllidaceae	Umayime	17	MS05	Sasolburg
<i>Eucomis autumnalis</i> Mill. Chitt.	Asparagaceae	Umathunga	17	MS07	Qwaqwa
<i>Aloe ferox</i> Mill.	Asphodelaceae	Khala	15	MS04	Senekal
<i>Drimia depressa</i> Baker Jessop	Hyacinthaceae	Moretele	15	MS16	Sasolburg
<i>Talinum caffrum</i> Thunb	Portulacaceae	Punyuka bamphethe/khutsana	13	MS02	Parys
<i>Euclea coriacea</i> A.DC.	Ebenaceae	Monna-mots'o	13	SV08 & SV18	Qwaqwa
<i>Dianthus basuticus</i> Burt Davy	Caryophyllaceae	Hlokoa-la-tsela	13	SV16	Kroonstad
<i>Pappea capensis</i> Eckl. & Zeyh	Sapindaceae	Voma	11	SV15	Welkom
<i>Adenia gummiifera</i> Harv. Harms	Passifloraceae	Impinda	10	MS06	Sasolburg
<i>Cussonia paniculata</i> Eckl. & Zeyh	Araliaceae	Moretseng/Mots 'ets'e	10	SV11	Senekal
<i>Helichrysum caespititium</i> DC	Asteraceae	Phate-ea-ngaka	10	SV12	Parys
<i>Podocarpus henkelii</i> Stapf ex Dallim. & Jacks	Podocarpaceae	Vhulakhuvhali we	10	SV17	Kroonstad
<i>Galium capense</i> Thunb	Rubiaceae	Mabona	10	MS03	Winbrug
<i>Crotalaria natalia</i> Meisn	Fabaceae	Uvelabahleke	10	MS08	Ladybrand
<i>Scabiosa columbaria</i> L.	Dipsacaceae	Selomi	10	MS09	Ladybrand

<i>Hermannia depressa</i> N.E.Br.	Malvaceae	Seletjane	10	MS12	Bultfontein
<i>Leucosidea sericea</i> Eckl. & Zeyh.	Rosaceae	Cheche	10	MS14	Bloemfontein
<i>Sclerochiton ilicifolius</i> A.Meeuse	Acanthaceae	Molomo monate	10	SV01	Welkom
<i>Curtisia dentata</i> Burm.f. C.A.Sm.	Cornaceae	Tshwene	10	SV09	Bethlem
<i>Siphonochilus aethiopicus</i> Schweif. B.L. Burt	Zingiberaceae	Isiphepheto	10	SV13	Kroonstad

FI–Frequency Index; SV–Street Vendor; MS–Muthi Shop

Modify ACQUITY Binary Solvent Manager Instrument Method

Acquity Binary Solvent Manager
Ultra Performance LC

Run Time: 14.00 min

General | Data | Analog Out | Events

Solvents

A1: Water + 0.1% formic ac ...

B1: Acetonitrile + 0.1% form ...

Pressure Limits

Low: 0 psi

High: 15000 psi

Seal Wash: 5.0 min

Gradient

	Time (min)	Flow (mL/min)	%A	%B	Curve
1	Initial	0.350	98.0	2.0	Initial
2	0.50	0.350	98.0	2.0	6
3	7.00	0.350	60.0	40.0	6
4	10.00	0.350	30.0	70.0	6
5	11.00	0.350	5.0	95.0	6
6	12.00	0.350	0.0	100.0	6

Comment:

OK Cancel

Figure S1. Gradient elution program for Liquid Chromatography Tandem Mass Spectrometry.