



Analytical Report

DATE: March 25, 2024 **FRL JOB ID:** J24-0321-A **ALIQUOT ID:** 240321001-2-01

CLIENT: Brett Hales

SAMPLE ID: GL 0130151EXP0926
10 capsule blister pack

ANALYSIS: Qualitative Screen of Dietary Supplements for Presence of Known Prescription PDE-5 Inhibitors and Known Analogues by High Performance Liquid Chromatography with DAD-Accurate Mass Q-TOF (LCMS-SCREEN-ED-001)

RESULTS:	<u>Compound</u>	<u>Result</u>	<u>Compound</u>	<u>Result</u>	<u>Compound</u>	<u>Result</u>
	(-)-Trans-tadalafil (ent-Tadalafil)	ND	Acetaminotadalafil	ND	Acetil acid	ND
	Acetildenafil (Hongdenafil)	ND	Acetylvaridenafil	ND	Aildenafil (Dimethylsildenafil, Methisosildenafil)	ND
	Aminotadalafil	ND	Avanafil	ND	Benzylsildenafil	ND
	Carbodenafil (Fondenafil)	ND	Chlorodenafil	ND	Chloropretadalafil	ND
	Cinnamylidenafil	ND	Cyclopentynafil	ND	Dapoxetine	ND
	Depiperazinothiosildenafil	ND	Descarbonsildenafil	ND	Desmethylcarbodenafil	ND
	Dimethylacetildenafil	ND	Dioxo-acetildenafil	ND	Dithio-desmethylcarbodenafil	ND
	Gendenafil	ND	Gisadenafil	ND	Homosildenafil	ND
	Hydroxyacetildenafil (Hydroxyhongdenafil)	ND	Hydroxychlorodenafil	ND	Hydroxyhomosildenafil	ND
	2-Hydroxypropylnortadalafil	ND	Hydroxythiohomosildenafil (hydroxyhomosildenafil thione, sulfohydroxyhomosildenafil)	ND	Hydroxythiovaridenafil	ND
	Hydroxyvaridenafil	ND	Imidazosagatriazinone (Desulfovardenafil)	ND	Isopiperazinonafil	ND
	Lodenafil carbonate	ND	Mirodenafil	ND	Mutaprodenafil	ND
	N-butylnortadalafil	ND	N-desethylvaridenafil	ND	N-desmethylsildenafil	ND
	Nitrodenafil	ND	Nitroso-prodenafil	ND	N-octylnortadalafil (Octylnortadalafil)	ND
	Noracetildenafil (Demethylhongdenafil)	ND	Norneosildenafil (Piperidinosildenafil)	ND	Norneovardenafil	ND
	Nortadalafil (Demethyltadalafil)	ND	Oxohongdenafil	ND	Phentolamine	ND
	Piperazinonafil (Piperazonifil, Dihydroacetildenafil)	ND	Piperidinoacetildenafil (Piperiacetildenafil)	ND	Piperidinovardenafil (Piperidenafil, Pseudovardenafil)	ND
	Propoxyphenyl aildenafil	ND	Propoxyphenyl hydroxyhomosildenafil (Methylhydroxyhomosildenafil)	ND	Propoxyphenyl sildenafil	ND
	Propoxyphenyl thioaildenafil (Propoxyphenyl thiomethisosildenafil)	ND	Propoxyphenyl thiohydroxyhomosildenafil	ND	Sildenafil	ND
	SR-aminotadalafil ((+)-trans-aminotadalafil)	ND	Tadalafil (Tildenafil)	ND	Thioaildenafil (Sulfoaildenafil, Thiomethisosildenafil, Sulfodimethyl sildenafil, Dimethylthiosildenafil)	ND
	Thiohomosildenafil (Sulfohomosildenafil, Homosildenafil thione)	ND	Thioquinapiperifil (KF31327)	ND	Thiosildenafil (Sulfosildenafil, Sildenafil thione)	ND
	Udenafil	ND	Vardenafil	ND	Xanthoanthrafil (Benzamidenafil)	ND

ND = Not Detected @500 ug/g (PPM), POS = Positive

DISCUSSION: The sample was prepared with a split spike for quality control. Analysis is conducted by HPLC using DAD and Accurate Mass Q-TOF Mass Spectrometry. The DAD traces are examined for peaks giving spectra indicative of known PDE-5 inhibitors. MS data is processed and searched against a custom built PCDL Database composed of the AOAC SMPR 2015.12 Working Group Accurate Mass Compound List. Accurate mass and formulae generated are compared to known PDE-5 inhibitors.

CONCLUSION: None of the compounds listed above were detected in this sample.

This document electronically signed by James Kababick on 3/25/2024; Signature on file.