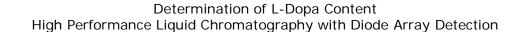
# **CERTIFICATE OF ANALYSIS**

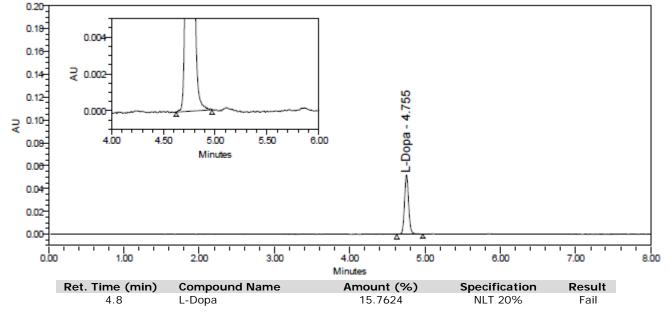


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## Report Issued To:

Superman Herbs 2800 S. Rodeo Gulch Dr Unit G Soquel CA 95073 USA Sample Name:MucunaDescription:Powdered extract; Grey fine powderLot #:MP02AL #:JAR32915SUP1\_1Analysis ID:63300Received:11/25/15





### Chromatographic Conditions:

Method:	ATM-815-0171
Column:	AP192 Gemini 5µ C18 110A (250 x 4.6 mm)
Temperature:	60°C
Flow Rate:	0.8 mL/min
Injection Volume:	2 µL
UV Detection:	225 nm
Mobile Phase:	Water: Methanol: Phosphoric Acid (975.5: 19.5: 1; v/v/v)
HPLC Instrument:	Alliance_1

#### Sample Preparation:

Weighed 50 mg of sample into a 25 mL volumetric flask and added 20 mL of 0.1 N HCl. Sonicated for 30 minutes at room temperature. Filled to volume with 0.1 N HCl. Diluted 4:25 with 0.1 N HCl. Centrifuged for ten minutes and transferred to HPLC vial for analysis.

#### Report Summary:

Conclusion:	This "Mucuna" sample contains 16% L-dopa.
OOS Reference:	N/A
Notebook Reference:	LC074 p. 186

Analysis Date : 12/01/15

Analyzed By: K Patel

Authorized By: Holly E. Johnson, Ph.D., Senior Analytical Chemist

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