

LIFTMODE

LIFTMODE
47 W. Polk St. STE 100-241
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CERTIFICATE OF ANALYSIS

PRODUCT NAME	Huperzine A		
LATIN NAME	<i>Huperzia serrata (Thunb)</i>		
BATCH NO.	CP20150302	BATCH SIZE	1 kg
MANU DATE	2015-03-13	SHELF LIFE	2 years
ITEM	SPECIFICATION		RESULT
Appearance	Yellow Brown Powder		Conforms
Assay(Huperzine-A,HPLC)	1.0% Min		1.01%
Sieve Analysis	95% Pass 80 Mesh		Conforms
Loss On Drying	5.0% Max		3.3%
Ash	5.0% Max		1.8%
Heavy Metals	10ppm Max		Conforms
Microbiology Control			
Total Plate Count	10000cfu/g Max		Conforms
Yeast & Mold	1000cfu/g Max		Conforms
E.Coli	Negative		Conforms
Salmonella	Negative		Conforms
NON-IRRADIATION .			

CONCLUSION: QUALIFIED WITH THE SPECIFICATION.

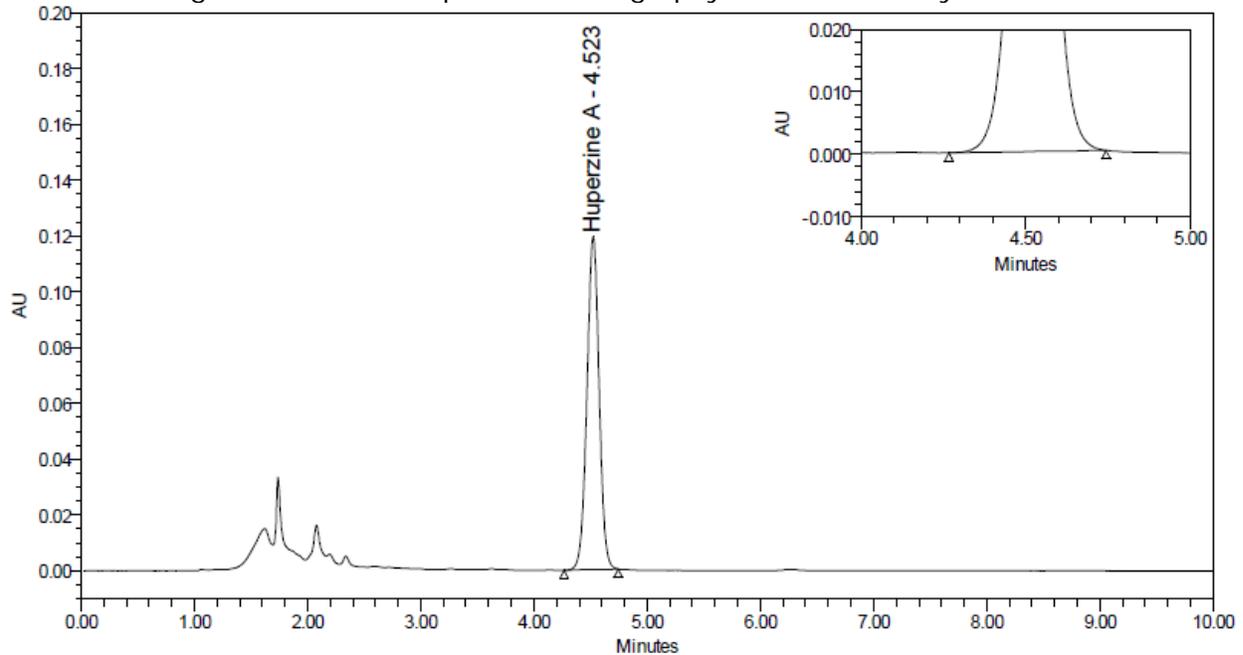
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Sample Name: Huperzine A Extract
Description: Powdered extract; Fine light brown powder
Lot #: WSTA20150302
AL #: ZS23815SYNP1_1
Analysis ID: 60105
Received: 08/26/15

Determination of Huperzine A Content High Performance Liquid Chromatography with Diode Array Detection



Ret. Time (min)	Compound Name	Amount (%)	Specification	Result
4.5	Huperzine A	0.9205	NLT 1%	Pass

Chromatographic Conditions:

Method: ATM-815-0055
Column: AP109 Gemini 5 μ C18 110A (150 x 4.6 mm)
Temperature: 40°C
Flow Rate: 1 mL/min
Injection Volume: 10 μ L
UV Detection: 310 nm
Mobile Phase: Methanol
80 mM Ammonium Acetate pH 6.0
HPLC Instrument: Alliance_1

Sample Preparation:

Weighed 250 mg of sample into a 50 mL volumetric flask. Added 40 mL of 0.1% HCl and sonicated for 30 min at 45°C. Cooled to room temperature and filled to volume with 0.1% HCl. Filtered through a 0.45 μ m PTFE filter into HPLC vial.

Report Summary:

Conclusion: This "Huperzine A Extract" sample contains 1% Huperzine A.
OOS Reference: N/A
Notebook Reference: LC079 p. 153