



## ANALYTICAL REPORT

**TO:** Long Life Services  
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Sample: <b>Slim Form Hoodia-SP Hoodia (150 tablets)</b>	Lot Number: <b>15314</b>
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### Analysis of Hoodia Gordonii

Having obtained independently an intact sample of Hoodia Gordonii whole cactus material we are able to chemically determine presence of three prominent components that can readily be extracted with organic solvents for analytical purposes. We utilize the presence of these three marker components to verify that samples purportedly containing Hoodia Gordonii are indeed of the genus and species expected.

Firstly we confirm the powdered material is indeed of Hoodia Gordonii origin by establishing the presence of the three marker components, secondly we determine the ratio of the measured components to one another. The determination of the ratio is indicative of the integrity of the sample being wholly of Hoodia Gordonii origin. The ratio of the three components to one another is also useful in determining consistency of manufacturing, regardless of the absolute concentration of the marker components.

Typical ranges for the components:

Peak 1	0.2-0.6
Peak 2	0.1-0.4
Peak 3	0.1-0.3

Typical ratios for the Peaks

peak 1:2	2-1
peak 1:3	2-1
peak 2:3	0.5-1.5

Since Hoodia Gordonii of commerce has not been established to have a standardization level for one particular marker one must utilize the peak ratio approach described above to establish authenticity and quality. Only samples displaying the presence of the three marker components and can be considered as representing material of Hoodia Gordonii origin. While the absolute concentration of each of the components may vary due to the product being of natural origin, the genus and species authenticity is not compromised.