



90160 Highway 93 North  
Arlee, MT 59821  
406-726-3700

## Certificate of Analysis

**Sample Description:** Allicillin Softgels

**Item #:** ALLS60

**Lab Sample #:** 309087

**Lot #:** 32016

**PO #:**

We hereby certify that the product listed above has been tested for the following and has met the specifications of our company.

Chemical Analysis	Specification	Result	Method
Ajoene	1mg/softgel	Complies	HPLC *

\* Denotes 3rd party testing

Microbial Analysis	Specification	Result	Method Reference
Total Plate Count:	$\leq 10,000$ CFU/g	<100 CFU/g	USP
Total Yeast and Mold Count:	$\leq 1,000$ CFU/g	<100 CFU/g	USP
E. coli:	Negative	Negative	USP
Salmonella:	Negative	Negative	USP
S. aureus:	Negative	Negative	USP

Tested by: Dan Johnson

Date: 9-18-13

Approved by: M. Arzoo

Date: 9/19/13



Doc #: 600K 103A

## ANALYTICAL REPORT

Date: 09/17/13

Sample: ALLS60

Lot Number: 32016

Analyte(s)	Result	Unit
Ajoene	1.0	mg/softgel

Avg fill weight: 475 mg

Ajoene analysis was performed using HPLC methodology adapted from Lawson et al. "Identification and HPLC Quantitation of the Sulfides and Dialk(en)yl Thiosulfinates in Commercial Garlic Products" as published in *Planta Med.*, 57, 363-370 (1991). A Waters Symmetry C18 column (250 x 4.6 mm) was utilized with A) 0.1% phosphoric acid and B) MeOH gradient from 50% eluent B to 100% eluent B over 10 minutes at 1.5 mL/min and 30 degrees Celsius with PDA signal extraction at 254 nm. Authentic chemical reference material obtained from Neem Biotech.

Sarah Gannon, M.S.  
Chemist/Lab Manager