

ACTA LABORATORIES, INC.

27082 Burbank Street
Foothill Ranch, CA 92610-2608
Phone: (949) 595-0641
FAX: (949) 595-0522
www.actalabs.com

CERTIFICATE OF ANALYSIS

Lab # 04-4067

Lot # Not Given

PO # Not Given

Product/Material:

Miraculite

Method of Analysis:

The product was assayed in accordance with USP 27/ NF 22 Supplement 2, <61> Antimicrobial Effectiveness Testing, Category 1.

Results:

Day 7				
Specification: Not less than 1.0 log reduction from initial calculated count.			Specification: No increase from initial calculated count.	
Log Reduction from initial calculated count				
<u>Pseudomonas aeruginosa</u>	<u>Staphylococcus aureus</u>	<u>Escherichia coli</u>	<u>Candida albicans</u>	<u>Aspergillus niger</u>
≥ 5.0	≥ 5.0	≥ 5.1	0.4	0.2 Increase

Day 14				
Specification: Not less than 3.0 log reduction from initial calculated count.			Specification: No increase from initial calculated count.	
Log Reduction from initial calculated count				
<u>Pseudomonas aeruginosa</u>	<u>Staphylococcus aureus</u>	<u>Escherichia coli</u>	<u>Candida albicans</u>	<u>Aspergillus niger</u>
≥ 5.0	≥ 5.0	≥ 5.1	0.4	0.6 Increase

Day 28				
Specification: No Increase from 14 days' count			Specification: No increase from initial calculated count	
Log Change from Day 14 (Log Reduction from initial calculated count)			Log Reduction from initial calculated count	
<u>Pseudomonas aeruginosa</u>	<u>Staphylococcus aureus</u>	<u>Escherichia coli</u>	<u>Candida albicans</u>	<u>Aspergillus niger</u>
0 (≥ 5.0)	0 (≥ 5.0)	0 (≥ 5.1)	1.1	0.8 Increase

IMPORTANT STATEMENT: Miraculite all natural minerals were tested in it's natural state; no chemicals, preservatives, etc. were added for this test. Most companies do add preservatives and other substances to achieve a zero count on the following tests.

Bacteria was added to Miraculite over a 28 day period. Impressively, the bacteria decreased to zero.

Candida albicans, which is a harmful yeast, was added to Miraculite. Levels progressively dropped over the 28 day period.

Aspergillus niger, an extremely resilient fungus, was also added to Miraculite over the 28 day period. During this 28 day period Miraculite did not have any apparent effect.