

# Long term Stability Testing of Allisure® Garlic Powder

September 2008 to September 2011

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Regular stability testing to NSF standard (NSF is accredited by ANSI, IAS, and OSHA in the US and the Standards Council of Canada (SCC) in Canada where accreditations attest to the competency of and compliance with established national and international standards for third-party certification. ) recognises the guideline that nutritional supplement companies identify the physical, chemical and microbiological characteristics under long-term storage. This characterisation is carried out on a regular basis with Allisure® powders kept in a controlled environment over a minimum of 3 years and of stored powders indicates no deterioration in microbiological parameters. These parameters, shown below are measured every 6 months on powders stored for at least 3 years from the date of manufacture:

Batch Number: BN 4925 Manufactured September 2008

<b>Test Results</b>	<b>September 2008*</b>	<b>September 2011*</b>
Appearance	White/off white powder	
Yeast	<10 cfu/g	<10 cfu/g
Moulds	<10 cfu/g	<10 cfu/g
Aerobic Colony Count	<50 cfu/g	<50 cfu/g
E. Coli	Absent in 1g	Absent in 1g
Salmonella	Absent in 10g	Absent in 10g
Listeria	Absent in 25g	Absent in 25g
Staph Aureus	Absent in 1g	Absent in 1g
Enterobacteriaceae	Absent in 1g	Absent in 1g



Hence the available concentration of allicin from each batch of Allisure® powder does not vary significantly over a 3 year period. Recently data has been expanded to 4 years and there does not appear to be any significant degradation in activity. Thus we are confident that the current legal requirement of a 2 year shelf life is fair for this type of garlic extract but is far exceeded in terms of biological stability. "We would not expect any other commercially available garlic extract to work as well as Allisure®. Simply because they either do not contain any allicin or they rely on your body making it, which often doesn't happen or sometimes produces a very low yield of allicin. Hence, no other product has any blinded published clinical data on anti-microbial activity".



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