

Nanotechnology & Glutathione



Prepared By:
Neumi

Glutathione

**“THE MOST POWERFUL
ANTIOXIDANT
YOU HAVE NEVER HEARD OF.”**

- DR. OZ

Glutathione is the protector and detoxifier of the cell. It's the key to the life, health, performance, protection and longevity of every human cell.

Improved health, enhanced performance, quicker recovery, slowed aging, increased energy and extended life span are just a few of the benefits associated with high glutathione levels.

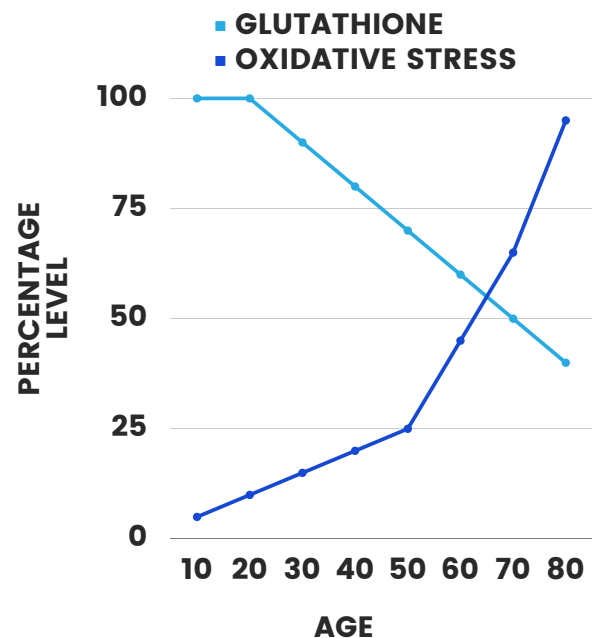
Your glutathione levels decrease the longer you are alive. Continuous attacks on your cells by the invasion of toxins, heavy metals, and exposure to radiation and free radicals cause damage and expedite the aging process. Glutathione levels are also reduced by any trauma the cells encounter - such as injuries, infections or diseases.

Higher glutathione levels are associated with an extensive number of health, performance, and anti-aging benefits. Most major diseases are associated with oxidative stress and low glutathione levels. As a result, studies have shown that healthy people have higher levels of glutathione.

People with higher glutathione levels may experience:

- Decreased inflammation
- Reduced joint discomfort
- Strengthened immune system
- Increased energy
- Enhanced stamina and endurance
- Improved exercise recovery times
- Greater mental clarity and focus
- Improved sleep
- Enhanced quality and length of life

Although glutathione may be unheard of in the general public, it is well known to medical and scientific community. In fact, there are twice as many scientific studies on glutathione recorded in PubMed, the online medical science library of the U.S. Government, as there are on Vitamin C. Throughout the past two decades there have been tens of thousands of studies on glutathione and its association to health and longevity.



“IT’S ONE OF THE KEYS TO FIGHTING OFF THE DISEASES YOU FEAR THE MOST. IT’S CALLED GLUTATHIONE. NOW WRITE IT DOWN BECAUSE IT’S CRITICALLY IMPORTANT”.

**DR. MEHMET OZ
THE DR. OZ SHOW**

“IF YOU’RE CHRONICALLY RUN DOWN; IF YOU’RE CHRONICALLY FATIGUED; IF YOUR BODY JUST ISN’T FIRING ON ALL CYLINDERS, LOW GLUTATHIONE MAY BE PART OF IT, BOTH CAUSE AND EFFECT.”

**DR. DAVID KATZ
DIRECTOR OF YALE
UNIVERSITY’S PREVENTION
RESEARCH CENTER**

A Higher Glutathione Level:

- Improves Immune Response
- Reduces Physical and Mental Fatigue
- Enhances Mental and Physical Performance.
- Accelerates Physical and Mental Recovery from Exercise
- Increases Longevity
- Reduces Oxidative Stress
- Reduces Intercellular Inflammation
- Combats Accelerated Aging
- Delays the Onset of Diseases of Aging
- Removes Chemical toxins from Cells
- Critical for Oxygen Transfer

Hydrastat™ Nanotechnology

**"AN INNOVATIVE TECHNIQUE
IN MANIPULATING THE
NATURAL PROPERTIES OF
ULTRA-PURE WATER TO
PROVIDE UNIQUE WATER-
CLUSTER PROTECTION OF
NANO-SIZED PARTICLES
DESIGNED TO INCREASE
THEIR BIOAVAILABILITY AND
TRANSFERENCE INTO THE
ORGANIC CELL".**

**-BERT WONNACOTT,
NEUMI'S CHIEF INNOVATION
OFFICER**

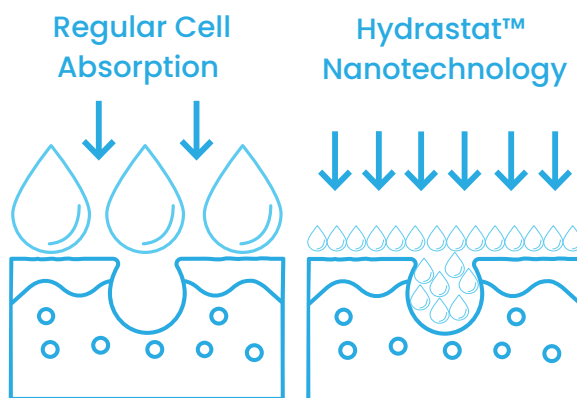
Human supplement manufacturers have continually sought better methods to provide customers with the most effective nutritional impact with their products. Currently, many manufacturers provide excess nutritional raw ingredient volumes knowing that only a fraction of the ingredient will actually be absorbed.

The mentality has been "even if a great deal of the supplement is 'flushed', we can offset that by increasing the raw material volume."

The interface between a human supplement and the body takes place on the surface of the nutritional particle where most chemical and biological reactions occur. The ideal manufacturer's concept is to increase the surface area without increasing wasted volume. The only way to effectively undertake this is to adjust the size of the nutritional particle.

We engineer our product with our ultrapure water and the basic nutrients in the solution are down-sized to particles below 100 nanometers, and some as small as 10 nm or below. This adds to the bioavailability dramatically.

We have done comparatives as is possible, but the surface area of a particle that is the size in most supplements (2 microns or 2,000 nanometers) has a surface area of approximately 12.57 million square nanometers. Our particles are generally between 80 nm and less than 10 nm depending on the ingredient. The total surface area of equal volumes of our ingredients are anywhere from 25 to 200 times greater!



What is a Zeta Test?

Zeta tests determine the effective surface charge of nanoparticles in a solution. These tests give us insight into the characteristics of solutions, and help us improve our formulas. Review our Zeta Potential Tests below:

Zeta Potential Report

v2.3



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Sample Details

Sample Name: NS060721-2 2

SOP Name: NutriSwish

General Notes: Average result created from record number(s): 627 626

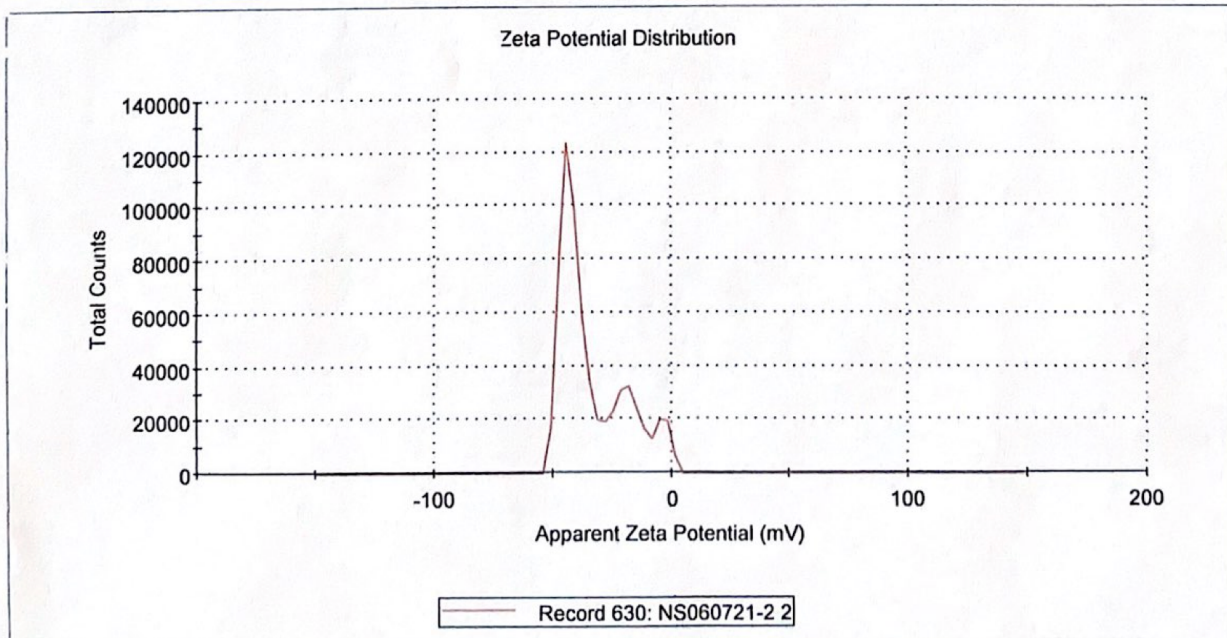
File Name: Installation tests.dts	Dispersant Name: Water
Record Number: 630	Dispersant RI: 1.330
Date and Time: Wednesday, June 9, 2021 3:10:2...	Viscosity (cP): 0.8872
	Dispersant Dielectric Constant: 78.5

System

Temperature (°C): 25.0	Zeta Runs: 20
Count Rate (kcps): 91.1	Measurement Position (mm): 2.00
Cell Description: Clear disposable zeta cell	Attenuator: 11

Results

	Mean (mV)	Area (%)	St Dev (mV)
Zeta Potential (mV): -32.5	Peak 1: -41.3	75.8	5.49
Zeta Deviation (mV): 13.3	Peak 2: -16.0	19.8	4.29
Conductivity (mS/cm): 0.566	Peak 3: -0.605	4.4	1.41
Result quality : Good			



Zeta Potential Report

4.3



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Sample Details

Sample Name: NS022422-2 1

SOP Name: Neumi Skin

General Notes: Average result created from record number(s): 682 683 684

File Name: Installation tests.dts Dispersant Name: Water
Record Number: 691 Dispersant RI: 1.330
Date and Time: Monday, February 28, 2022 10:21... Viscosity (cP): 0.8872
Dispersant Dielectric Constant: 78.5

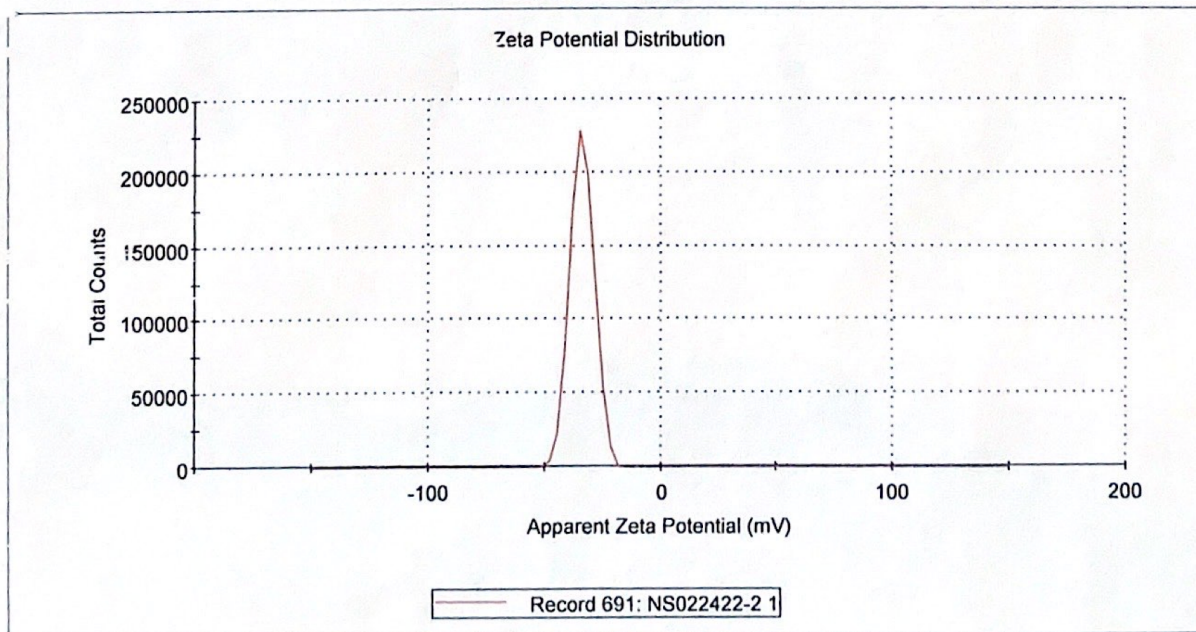
System

Temperature (°C): 25.0 Zeta Runs: 15
Count Rate (kcps): 52.4 Measurement Position (mm): 2.00
Cell Description: Clear disposable zeta cell Attenuator: 11

Results

	Mean (mV)	Area (%)	St Dev (mV)
Zeta Potential (mV): -33.7	Peak 1: -33.6	100.0	5.07
Zeta Deviation (mV): 4.98	Peak 2: 0.00	0.0	0.00
Conductivity (mS/cm): 0.446	Peak 3: 0.00	0.0	0.00

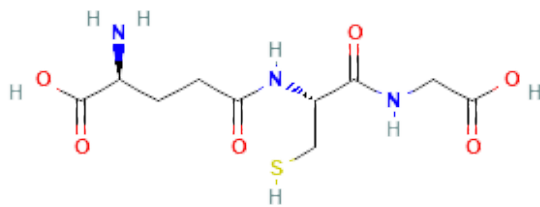
Result quality : **Good**



NutriSwish Ingredients



Glutathione is the body's master antioxidant that impacts nearly every function in your body. It detoxifies your body's cells and it also recycles itself to increase the effectiveness of other antioxidants (Vitamins C, D, etc).



Curcumin acts as an antioxidant, fortifies mental health and clarity, offers joint support, and may improve heart health.

L-Cystine is an anti-inflammatory that boosts heart health, supports the immune system, and boosts athletic performance.

Ultra Pure Water is crucial to our nanotechnology formulation. We remove all impurities and the non dissociated colloidal matter, gas and organic matter in the water to a very low level. Pure water is measured by Megohms of resistivity to electrical current. The use of ultra-pure water in industry includes pure water as a rinse bath for computer chip manufacturing. The theoretical maximum is 18.2 megohm. Our use includes ultra-pure water with a "cleanliness" of over 17.5 megohm.

Gone are the days of waiting months to see results from supplementation! We have set out to disrupt the health industry through rapid absorption of these four key ingredients through our HydraStat™ technology.

Neumi Skin Ingredients & Third Party Testing



Glutathione is the body's master antioxidant that can neutralize free radicals, and may help restore your skin to its most healthy color.

Curcumin acts as an antioxidant, and may dry out blemishes smooth skin texture.

Collagen, also known as "the fountain of youth," assists with elasticity, moisturizing, and reducing the appearance of fine lines and wrinkles.

Hyaluronic Acid can hold up to 1000x its weight in water, making it the secret ingredient for assisting with ultra-hydrated skin.

Neumi has solved the #1 problem in skin care, the problem of absorption. Neumi has nano-sized the best skin ingredients available to provide a simple solution to aging/dull skin.

At Neumi, we believe in delivering a product of the highest quality. We have submitted both NutriSwish and Neumi Skin for third party testing.

Review the results for our third party microbiology tests, which test for contamination of harmful microorganisms, in the documents below.

CTLA ID: 43606
 Date Received: 12/14/2021
 Sample Name: **NutriSwish**
 Lot Number: NS080521-1
 Customer: **Neumi LLC**

Analysis	Method	MDL Specification	Result	Units
Rapid Complete Micro				
Total Plate Count	USP <2021>	100 Report	100	cfu/g
Total Coliforms	BAM CH.4	10 Report	<10	cfu/g
<i>E. coli</i>	USP <2022>	Report	Negative	
<i>Salmonella</i>	USP <2022>	Report	Negative	
<i>Staphylococcus aureus</i> <2022>	USP <2022>	Report	Negative	
Rapid Yeast and Mold	AOAC 2014.05	10 Report	<10	cfu/g

12/16/2021
 DATE


 Quality Manager

Specifications provided by the Customer. Results with an asterisk (*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit.

Certificate of Analysis

Sample Information

CTLA ID: 41450
 Date Received: 11/9/2021
 Sample Name: **Neumi Skin**
 Lot Number: 35320
 Customer: **Neumi LLC**

Analysis	Method	MDL Specification	Result	Units
Complete Micro				
Total Plate Count	USP <2021>	100 Report	<100	cfu/g
Total Coliforms	BAM CH.4	10 Report	<10	cfu/g
<i>E. coli</i>	USP <2022>	Report	Negative	
<i>Salmonella</i>	USP <2022>	Report	Negative	
<i>Staphylococcus aureus</i> <2022>	USP <2022>	Report	Negative	
Yeast & Mold	USP <2021>	100 Report	<100	cfu/g

11/16/2021
DATE


Quality Manager

Specifications provided by the Customer. Results with an asterisk (*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit.

Conclusion

PubMed.gov [Advanced](#) [Create alert](#) [Create RSS](#)

MY NCBI FILTERS 

166,501 results

RESULTS BY YEAR

Glutathione: overview of its prot
1. Farmer H, Zheng H, Binn A

Glutathione is the master antioxidant of the body, and has been linked with improved health, enhanced performance, quicker recovery, slowed aging, increased energy and extended life span.

As you age, your glutathione levels decrease. Most major diseases are associated with oxidative stress and low glutathione levels.

Glutathione is fragile and difficult to absorb, so its potential has been untapped by the daily supplement industry, until now. At Neumi, we use Hydrastat™ Nanotechnology to create a daily supplement that your body can absorb.

Hydrastat™ Nanotechnology manipulates the natural properties of ultra-pure water to provide unique water cluster protection of nano-sized particles designed to increase their bioavailability and transference into the organic cell.

Try Neumi today and start feeling like a new you.