

Informasjon om Zeolitt

Av Kristel Galston

2024



touchstone essentials



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Hva gjør tungmetaller i, og med kroppen din?

Tungmetaller og giftstoffer:

- lagres i fettcellene dine, noe som gjør det vanskelig å gå ned i vekt hvis du ønsker det.
- lagres i hjernen, og det fører til at de roter med hjernen. Problemer med hukommelse, tåkehode, vanskelig å fokusere.
- forstyrrer immunsystemet ditt
- forstyrrer det endokrine-/ hormonsystemet ditt og påvirker energien din, utmattelse.
- problemer med søvn, ødelegge for god søvnkvalitet
- Hindrer næringsopptak i tarmen.
- Parasitter lever av tungmetaller i tarmen.

Hvilke tungmetaller snakker vi om?

Hvor lagres tungmetallene i kroppen?

Hvor kommer de fra?

➤ Arsenikk – hjerne, hjerte, hud

✓ Vann, mat, luftforurensing

➤ Kvikksølv – Hjerne, Immunforsvaret, nyrer

✓ Fisk, almangan-fyllinger, lystoffrør

➤ Bly – Hjerne, skjellet, lever, nyrer

✓ Vann, mat, gammel maling og sminke

Body Toxin Chart

Everyday exposure to a variety of heavy metals in air, food, and water adds up. Most heavy metals accumulate in the body where they can affect multiple organs and systems and create health issues.

ARSENIC

33
As
74.922

FOUND IN:

Water, Food and Air Pollution

AFFECTS:

Brain, Heart, Skin and Cancer

MERCURY

80
Hg
200.59

FOUND IN:

Fish, Silver Fillings, and
Fluorescent Light Bulbs

AFFECTS:

Brain, Immunity, and Kidneys

LEAD

82
Pb
207.2

FOUND IN:

Water, Food and Old Paint

AFFECTS:

Brain, Bones, Liver and Kidneys

ALUMINUM

13
Al
26.982

FOUND IN:

Water, Food and Medications

AFFECTS:

Brain and Bone

CHROMIUM

Hexavalent Chromium [Cr(VI)]

24
Cr
51.996

FOUND IN:

Water, Food and Industrial Pollution

AFFECTS:

Kidneys, Lungs and Immunity

CADMIUM

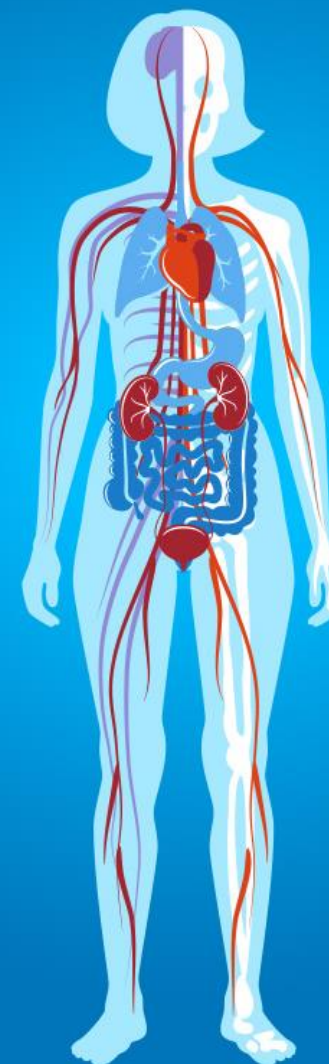
48
Cd
112.41

FOUND IN:

Food, Air Pollution and Cigarettes

AFFECTS:

Heart, Kidneys and Bones



Hvilke tungmetaller snakker vi om?

Hvor lagres tungmetallene i kroppen?

Hvor kan det komme?

➤ Aluminium – Hjerne, skjellet

✓ Vann, mat, medisiner

➤ Krom – Nyrer, lunger, Immunforsvaret

✓ Vann, mat, industry

➤ Kadmium – Hjerte, nyrer og skjellet

✓ Mat, luft, drivstoff, sigaretter og snus

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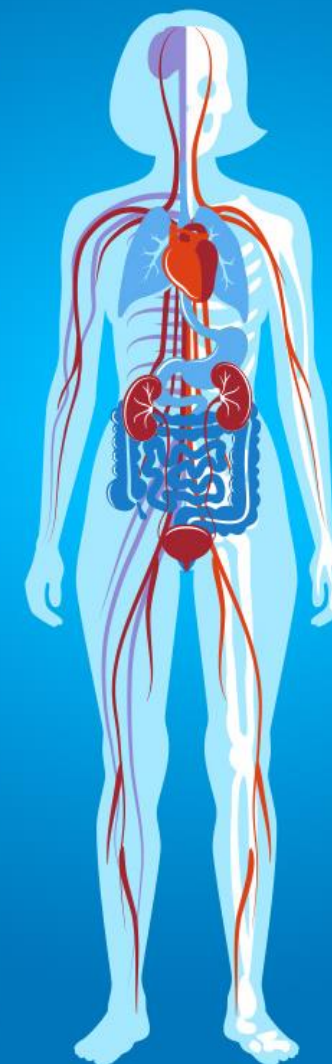
AFFECTS:
Brain, Bones, Liver and Kidneys

CADMIUM

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FOUND IN:
Food, Air Pollution and Cigarettes

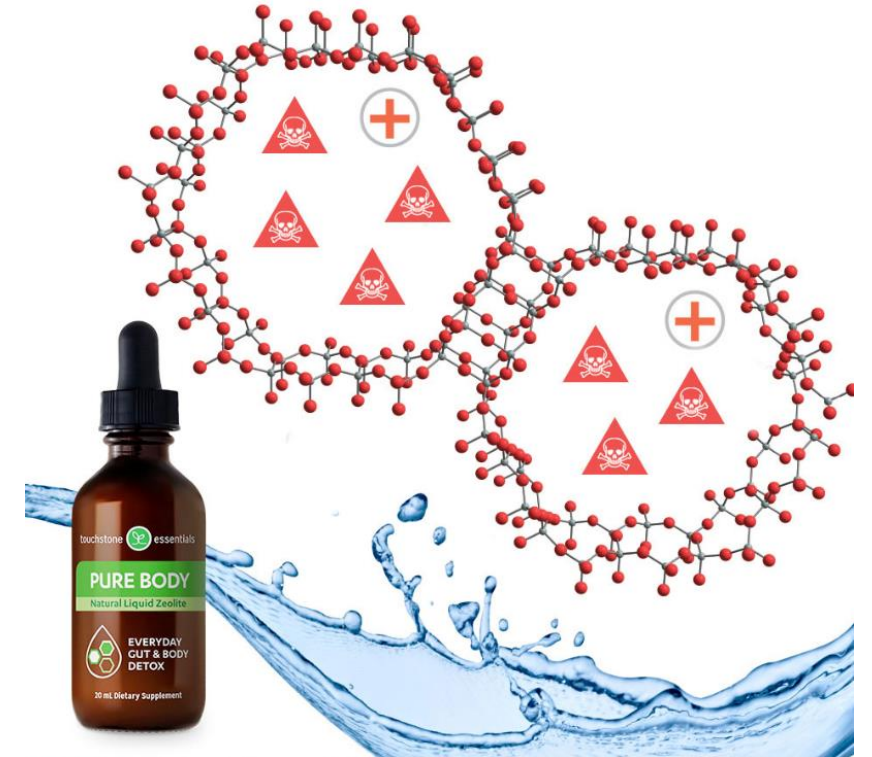
AFFECTS:
Heart, Kidneys and Bones



Touchstone- Zeolitt

- Hva er Zeolitt?
- Hva gjør zeolitt?
- Hvorfor bør man bruke Zeolitt daglig?

Capture and remove toxins!



Hva er Zeolitt?

- Zeolitt mineralet **Clinoptilolite** blir dannet ved en kjemisk reaksjon mellom vulkansk aske og sjøvann.
- Denne zeolitten har en tredimensjonal krystallinsk struktur.
- Det er over 40 naturlige zeolitter og så mange som 150 syntetiske zeolitter som brukes i dag.
- Man vet at mennesket har brukt Zeolitt siden Romertiden.
- Man brukte Zeolitt i oppryddingen etter Chernobyl-ulykken.
- Det samme gjorde man etter Fukushima.

A BRIEF HISTORY OF ZEOLITE:

- B.C.: Used in Roman Aqua Ducts
- 1760s: Rediscovered by a Swedish mineralogist
- 1960s: Mentioned in scientific circles in Europe and U.S.
- 1970s: Used for wastewater ammonia removal
- 1980s: Used to clarify pool water in Europe and then in USA; used in Chernobyl radioactivity removal
- 1990s: Used in agriculture and with cattle and poultry and began to be sold as a supplement for detoxifying the human body
- 2000s: Used in cleanup of Fukushima nuclear disaster; many companies began marketing clinoptilolite zeolite in numerous products

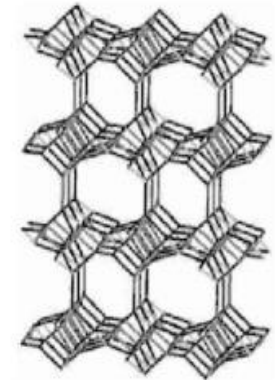


Fig. 1. Crystal structure of the zeolite clinoptilolite with its 8-ring and 10-ring channels.

Hvorfor velge Touchstone sin Zeolitt?

Det finnes zeolitt i pulverform:

- Partikkelstørrelsen på dette pulveret er ofte for stor til at kroppen kan nyttiggjøre seg det.

Det finnes syntetisk zeolitt:

- -det er ikke å anbefale da det ikke er gjort noen sikkerhetsstudier på det og det er syntetisk.

PURE BODY PARTICLE SIZE RESULTS

When it comes to detoxification, particle size matters. Using Malvern state-of-the-art instrumentation, Pure Body particle size is measured. Here's a guide to what it means.

PARTICLE SIZE ANALYSIS REPORT

Measurement Data	Analysis Data	Analysis Results
Sample Name: Zeolite	Analysis Date: 2018-12-12	Analysis Name: Zeolite
Sample ID: 12345	Analysis Time: 10:00:00	Analysis Method: Laser Light Scattering
Sample Type: Powder	Sample Weight: 0.1000g	Sample Volume: 0.1000ml
Sample Location: Lab 1	Sample Operator: John Doe	Sample Status: Completed

Zeolite Particle Size Distribution

Graph showing Particle Size (microns) vs. Frequency. The distribution is centered around 0.409 microns.

Table 1: Particle Size Distribution

Particle Size (microns)	Frequency
0.2	10
0.3	20
0.4	30
0.5	40
0.6	30
0.7	20
0.8	10
0.9	5
1.0	2
1.1	1
1.2	1
1.3	1
1.4	1
1.5	1
1.6	1
1.7	1
1.8	1
1.9	1
2.0	1
2.1	1
2.2	1
2.3	1
2.4	1
2.5	1
2.6	1
2.7	1
2.8	1
2.9	1
3.0	1
3.1	1
3.2	1
3.3	1
3.4	1
3.5	1
3.6	1
3.7	1
3.8	1
3.9	1
4.0	1
4.1	1
4.2	1
4.3	1
4.4	1
4.5	1
4.6	1
4.7	1
4.8	1
4.9	1
5.0	1

Table 2: Summary Statistics

Statistic	Value
Mean Particle Size (microns)	0.409
Standard Deviation (microns)	0.100
Median Particle Size (microns)	0.409
Mode Particle Size (microns)	0.409
Range Particle Size (microns)	0.2 - 4.0
Skewness	0.000
Kurtosis	0.000

1 What is the particle size of the zeolite in Pure Body?
Pure Body zeolite particles are sized on average to 0.409 microns. The report shows the particle sizes with the symbol "µm" which is the scientific symbol for micron. A micron is one millionth of a meter in size. Particles of this size are not visible to the naked eye and must be viewed under a microscope. To give you an idea of how small this is, a single white blood cell is about 25 microns in comparison.

2 What does surface area mean?
Smaller particle size also means a larger collective surface area of the zeolite, which means a greater area for toxins to be trapped, so that just a dozen drops of Pure Body throughout the day can provide an effective detox for the whole body. The surface area measured only calculates the exterior surface area, and not the porous channels inside the zeolite (which cannot be measured by laser), therefore the total surface area is even greater than the recorded measurement.

3 The particle size range of Pure Body:
Particle size testing by state-of-the-art Malvern instrumentation shows that some particles are as small as 0.2 microns in size, with 88% of all particles under one micron in size. Pure Body zeolite particles are sized on average to 0.409 microns (some smaller, some larger) so that some particles will provide a digestive detox, and others will be absorbed through the gut to detox the whole body.

4 Why does particle size matter?
The zeolite **Glinoptilolite** does not dissolve (breakdown) in the body. It can only be absorbed based on the size of the zeolite particles. Most unprocessed or powdered zeolite has a particle range up to 40 microns or more so they only detox the gut before passing through. The small particle size of Pure Body means the zeolite can reach toxins throughout the body. The smaller particle size also means a greater surface area so that more toxins are trapped per serving, for an effective detox of the body.

See full report on the next page. ▶



Hva gjør zeolitt?

- Touchstone sin Zeolitt er en naturlig måte å avgifte kroppen for skadelige tungmetaller og giftstoffer på.
- Zeolitt ioner (negative ladet) fanger opp og kapsler inn tungmetaller og giftstoffer-ioner (som er positivt ladede) som flyter fritt i blodet. Deretter flyter dette ut i urin og avføring.



Hvorfor bør man bruke Zeolitt daglig?

- Naturens avgiftningsmiddel
- Støtte kroppens evne til å rense giftstoffer, tungmetaller og forurensninger ut fra kroppen og tarmen, avlaster leveren.
- Vi får daglig tilførsel av tungmetaller og giftstoffer, og derfor bør vi bruke dette hver dag slik at vi hele tiden «rensere» oss.

Touchstones Zeolitt produkt

Pure Body

For å rense mageog tarm



Pure Body Extra

renser inn på cellenivå

Pure Body

- Ved inntak av Pure Body møter zeolitten umiddelbart toksiner og gjennom kationisk utveksling, fanger giftstoffer både i og på zeolittburene.
- Zeolitt lagres ikke i kroppen, men flyter ut igjennom urin og avføring.
- Zeolitten vil forbli aktiv i kroppen i en periode på ca. 4 til 6 timer, før den skilles ut gjennom urin og avføring.
- Gitt den korte tidsrammen i kroppen, er den foreslåtte doseringen av Pure Body tre ganger om dagen for optimal avgiftning, men begynn forsiktig i mindre doser.



Pure Body Extra, spray, nanopartikler

- Pure Body Extra er samme zeolitt som Pure body.
- Men det er i spray form, zeolittpartiklene er i nano størrelse, og man kan spraye den hvor man ønsker, huden, i munnen etc..
- Man får da zeolitten rett i porene i huden, og kjertlene i munnen.



Studier der man fjerner nickel, uran og arsenikk med Zeolitt.

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> J Hazard Mater. 2010 Mar 15;175(1-3):393-8. doi: 10.1016/j.jhazmat.2009.10.017. Epub 2009 Oct 13.

Uranium removal from groundwater by natural clinoptilolite zeolite: effects of pH and initial feed concentration

Lucy Mar Camacho¹, Shuguang Deng, Ramona R Parra

Affiliations + expand
PMID: 19892465 DOI: 10.1016/j.jhazmat.2009.10.017

Abstract

Adsorption of uranium (VI) on a natural clinoptilolite zeolite from Sweetwater County, Wyoming was investigated. Batch experiments were conducted to study the effects of pH and initial feed concentrations on uranium removal efficiency. It was found that the clinoptilolite can neutralize both acidic and low basic water solutions through its alkalinity and ion-exchange reactions with U within the solution, and adsorption of uranium (VI) species on clinoptilolite not only depends on the pH but also the initial feed concentration. The highest uranium removal efficiency (95.6%) was obtained at initial uranium concentration of 5mg/L and pH 6.0. The Langmuir adsorption isotherm model correlates well with the uranium adsorption equilibrium data for the concentration range of 0.1-500 mg/L. From the experimental data obtained in this work, it was found that the zeolite sample investigated in this work is a mixture of clinoptilolite-Na zeolite and mineral impurities with a relatively large specific surface area (BET of 10 m²/g) and excellent adsorption capacities for

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The advertisement features a central graphic of a blue silhouette of a muscular person standing with hands on hips, set against a background of water splashing and concentric circles. Below this, two bottles of Touchstone Essentials products are shown: 'PURE BODY EXTRA' (Advanced Daily Cellular Detox) and 'PURE BODY' (Everyday Gut & Body Detox). A plus sign and an equals sign are placed between the bottles and the text 'WHOLE BODY DETOX'.

WHOLE BODY DETOX

Special offer

save 50 \$

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