

Broccoli sprout powder / BroccoSEED

Detoxification effect of broccoli

Broccoli (*Brassica oleracea var. italica*) contains glucoraphanin.

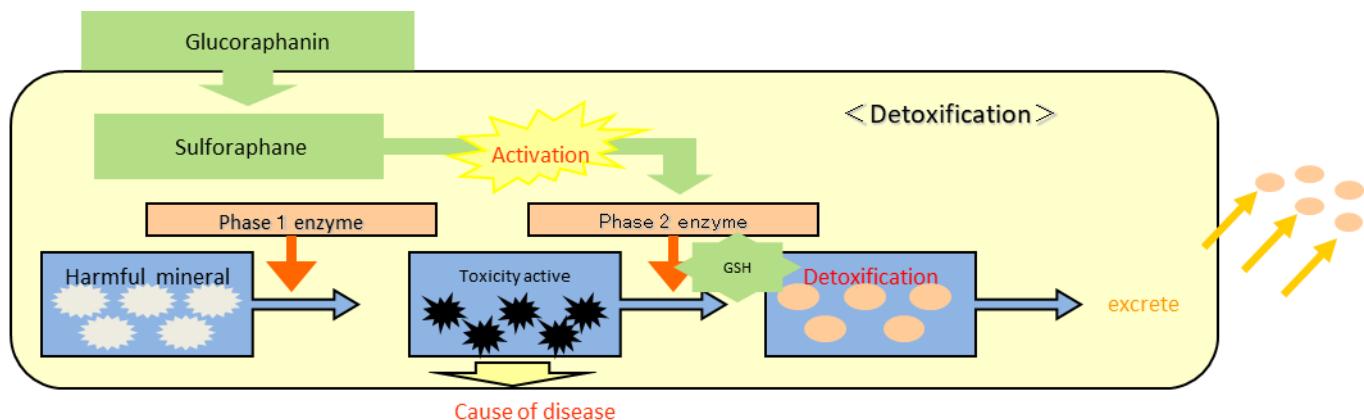
Glucoraphanin can be converted into sulforaphane through the action of the key enzyme myrosinase.

Sulforaphane can activate the detoxification enzyme and make the carcinogen in the body non-toxic, thereby playing an anti-cancer effect.



Detoxification mechanism of sulforaphane

Phase 1 enzyme and phase 2 enzyme are made in the liver and have detoxification function. The sulforaphane can also induce the production of type 2 detoxification enzymes in the human body and inhibit the production of type 1 enzymes, and finally excrete carcinogens and harmful trace elements through various enzyme systems.



Broccoli sprout powder

The content of glucoraphanin in broccoli sprout is 10 to 100 times that of broccoli.

Product	Glucoraphanin
Broccoli sprout powder(100mesh)	Over 1.2%
Broccoli sprout extract powder-3	Over 3.0%



Detoxification effect of broccoli sprout powder (clinical trial)

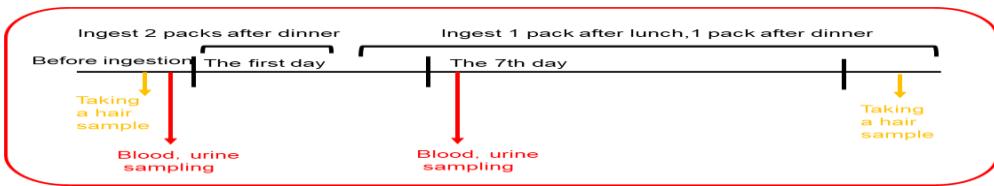
◎ Subject: 9 subjects (20~50age) open uncontrolled study

Amount of intake: 3g/day term: 30days

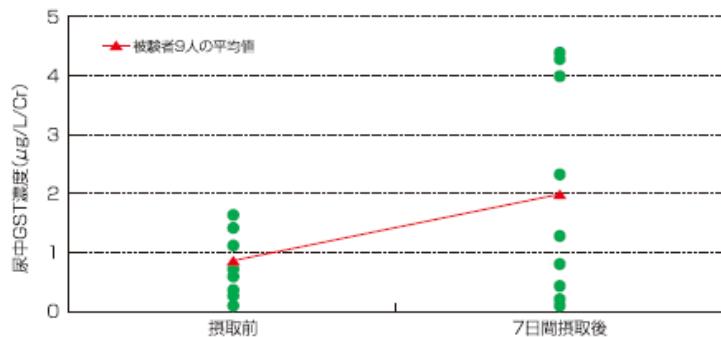
Measurement: Urine GST /Blood PCB /Mineral of hair

Result: Broccoli sprout powder can increase the concentration of liver detoxification enzyme GST, promote the excretion of PCB accumulated in adipose tissue and harmful trace elements in hair.

broccoli sprout 1 pack (2g)
broccoli sprout powder 1566mg
dextrin 391.6mg
pullulan 32.6 mg
tricalcium phosphate 9.8mg

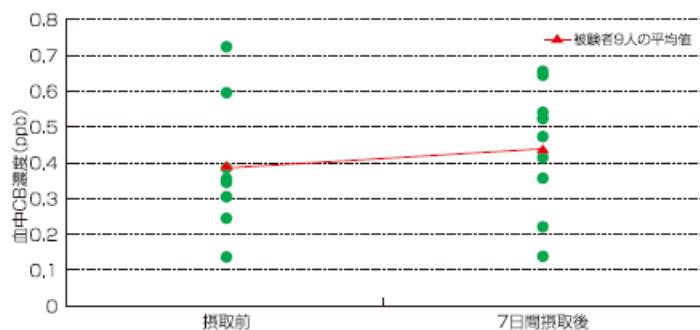


GST in urine



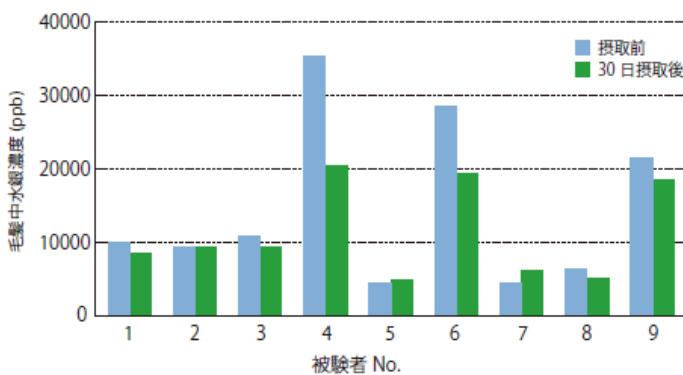
Average GST in urine rises over 2 times

PCB in blood

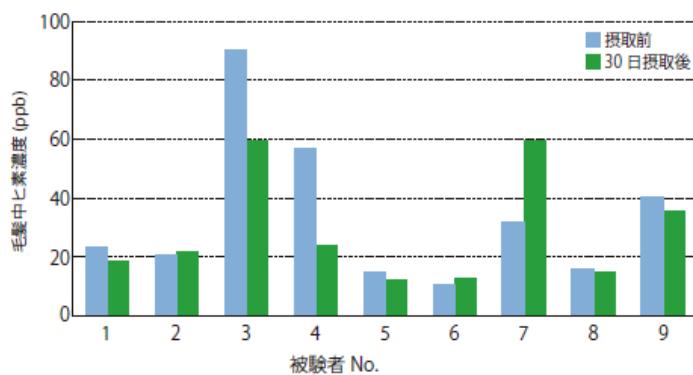


PCB in blood rises

Mercury concentrations in hair



Arsenic concentration in hair



Product information

Broccoli sprout powder

Test	Specification
appereance	light green
moisture	~green brown powder
gulucoraphanine	under 6.0%
polyphenol	over 1.2%
heavy metals(Pb)	over 0.8%
arsenic(As ₂ O ₃)	under 20ppm
general viable bacteria	under 2ppm
coliriform bacteria	under 3000cfu/g
dosage	negative
raw materials	500~1500mg/day
	broccoli seed extract

- ◆Packing: 20kg~
- ◆Type of packing: cardboard case
- ◆Storage: please keep it in the place where is cool and dry.
- ◆Expiry date: 3 years after production (condition: unopened state)
- ◆Quality control: product inspection: each lot

BrroccoSEED

Test	Specification
appereance	light brown~brown powder
moisture	under 8.0%
gulucoraphanine	over 13.0%
heavy metals(Pb)	under 20ppm
arsenic(As ₂ O ₃)	under 2ppm
general viable bacteria	under 3000cfu/g
coliriform bacteria	under 3000cfu/g
dosage	negative
raw materials	185mg~/day
	broccoli seed extract

- ◆Packing: 20kg~
- ◆Type of packing: cardboard case
- ◆Storage: please keep it in the place where is cool and dry.
- ◆Expiry date: 2 years after production (condition: unopened state)
- ◆Quality control: product inspection: each lot



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