

**100%  
PLANT  
BASED**

**BLOOSIL®**

The **FIRST** highly soluble Plant based **SOLID Silicium**

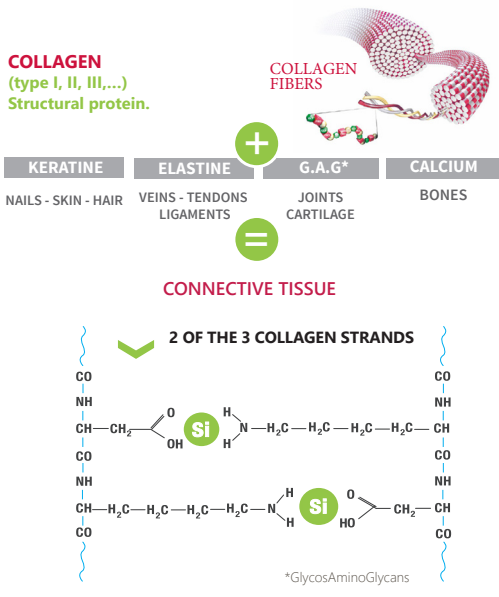
- ✓ Highly soluble Bamboo Silica
- ✓ Builds collagen
- ✓ Branded ingredient



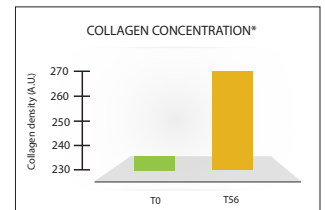
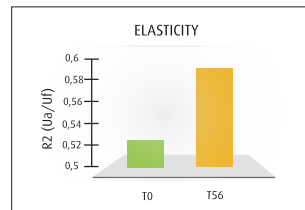
- ✓ Our plant based innovative branded ingredient produced from a patented process.
- ✓ A soluble plant based amorphous mesoporous silica.
- ✓ An ingredient that delivers Silicium and/or improves the stability and bioavailability of other active ingredients.
- ✓ The Solid plant based silica with highest amount of available Silicium.

**LINK BETWEEN SILICIUM, collagen and connective tissue**

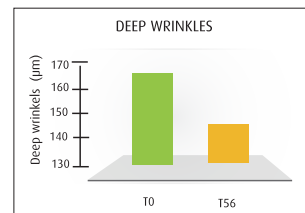
Collagen is the most abundant protein in connective tissue. Silicium is essential for the production and crosslinking of collagen fibers. Collagen alone has no function.



Silicium is implicated in collagen synthesis, skin, hair and nails health. Thanks to its bonds with collagen, elastin, keratin, and proteoglycans, silicium contributes to the architecture, strength, durability and elasticity of connective tissues.

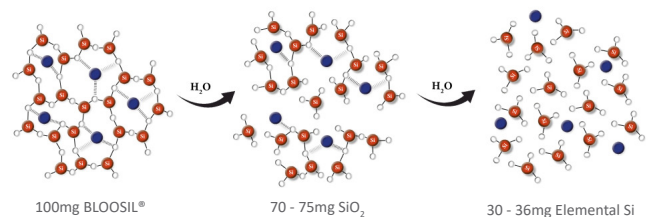


The collagen concentration in the dermis significantly increases by 15 % after 56 days of Silicium Bio-activated molecules application.  
\* measured by Siametrix



Skin elasticity and firmness increase significantly after use of Silicium Bio-activated molecules as demonstrated respectively by Ua/Uf parameter increase and Uf parameter decrease.

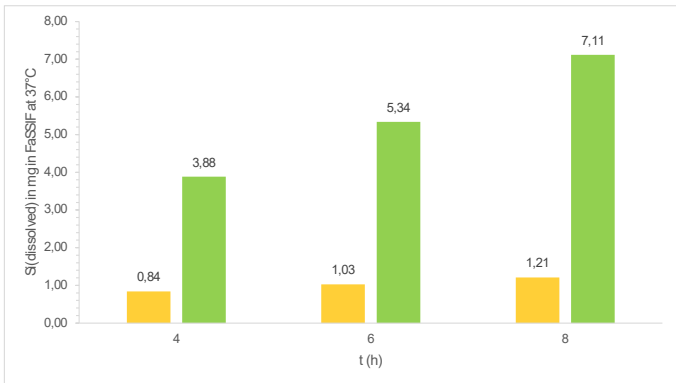
Study performed with women aged between 45 and 65 years. Comparison of values at the beginning of the study and after 56 days of Silicium Bio-activated molecules application.



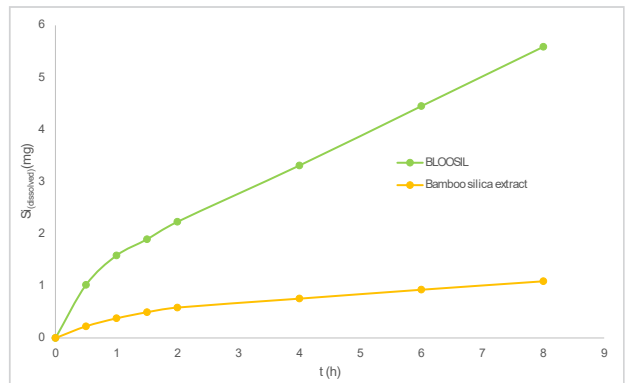
SiInnov Technology (blue) creates unique solubility, processability and compressibility advantages.



Si released in function of time



Dissolution kinetics BLOOSIL® vs Bamboo silica extract



After 8h of dissolution trial in FaSSIF at 37°C, the amount of Si dissolved of **bamboo silica extract** is increased **up to 5 times** when the ingredient is processed with the sil'Innov technology.

**BLOOSIL®**

is tested and can be used in all oral dosage forms :

-  POWDERS
-  TABLETS
-  CAPSULES
-  SOFTGELS
-  GUMMIES

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