INGREDIENTS
Nitrosigine® is a patented ingredient of bonded arginine silicate. It has been clinically shown to significantly boost nitric oxide (NO) levels, a key factor in increasing blood flow to working muscles. Nitrosigine® is engineered to take effect in as quickly as 30 minutes. Nitrosigine® keeps delivering benefits through your entire workout, for up to 3 hours - after just a single dose! With continued use, nitric oxide levels build over time, leading to even better blood flow and vessel flexibility. Look for Nitrosigine® in your pre-workout products and get the pump you want.

BENEFITS
- Significantly enhances arginine and silicon levels
- Significantly helps boost nitric oxide (NO) levels, a key factor in increasing blood flow
- Significantly enhances blood proteins related to vasodilation and heart health
- Takes effect in as quickly as 30 minutes and keeps delivering benefits up to 3 hours after a single dose
- Gluten Free/Non-GMO/Soy Free/Vegan.

Why Nitrosigine® over L-Arginine?
Nitrosigine® demonstrates superiority over arginine in elevating blood flow markers. Bradykinin, a peptide raised by Nitrosigine®, enhances blood flow through meditation of vasodilation by increasing nitric oxide levels. The enhanced blood flow during and after exercise may help with muscle growth and recovery. Nitrosigine® almost doubles maximum blood flow compared to control, or Arginine HCl.

Advantages of Silicon
Silicon, high silicon levels are present in arteries, maintaining the integrity of the lining of the aortic tissue. Silicon makes the inner lining of arterial tissue (tunica intima) less permeable. The aorta and the carotid artery of healthy persons contain much more silicon compared to arteries lined with plaque. Nitrosigine® has been shown to provide over 200% increase in silicon absorption compared to normal dietary intake.

CLINICAL STUDIES
A clinical trial was performed to observe the benefits of using Nitrosigine®. Ten healthy males, took 1500 mg of Nitrosigine® for 14 days. Fasting blood and saliva collections were drawn from 30 minutes until 4 hours after receiving a dose. The study demonstrated that supplementation with Nitrosigine® resulted in a continually rapid increase in arginine and silicon levels for the first hour after receiving a dose. The test performed 4 hours after supplementation showed serum arginine and silicon levels remained elevated above baseline. After 14 days of use baseline levels of arginine appeared to be higher than on day one.

Supplement Facts
Serving Size   2 Tablets
Servings Per Container  30

<table>
<thead>
<tr>
<th>Amount Per Serving</th>
<th>% Daily Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium (from dicalcium phosphate)</td>
<td>93 mg</td>
</tr>
<tr>
<td>Potassium</td>
<td>60 mg</td>
</tr>
<tr>
<td>Arginine Silicate Inositol (Nitrosigine®)</td>
<td>1500 mg</td>
</tr>
</tbody>
</table>

†Daily Value not established.

Other Ingredients: Microcrystalline cellulose, dicalcium phosphate, croscarmellose sodium, stearic acid (vegetable source), hydroxypropyl cellulose, magnesium stearate (vegetable source), clear coating (hypromellose, glycerin).

Suggested Adult Use: Take 2 tablets daily, preferably without food, or as recommended by a nutritionally-informed physician.

WARNING: Not intended for individuals under the age of 18. Consult your physician if pregnant, nursing, have a medical condition, taking nitrates, warfarin, sildenafil (Viagra), medications for hypertension, diabetes, or other supplement that may lower blood pressure while taking in concomitant with this product. Keep out of reach of children.

Non-GMO / Gluten Free / Soy Free / Vegan
Store in a cool dry place.

* These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.
A second clinical trial was performed on arginine silicate. Nitrosigine®, to
determine its effects on markers of cardiovascular health. Human
pharmacokinetic data show increased blood levels of these nutrients
between 0.5 and 3 hours after administration. In order to evaluate
proteomic changes due to ASI, blood samples were taken in healthy adult
males during 14 days of Nitrosigine® administration, 1500 mg per day.
Compared to pre-dose levels, the 6-hour post-dose protein analyses
resulted in statistically significant changes in the levels of 73 proteins.
With 14 days of Nitrosigine® use, levels of 87 out of 107 (81%) proteins
changed significantly from pre-dose baseline. Proteins found to have the
greatest percent increase were those associated with vasodilation and
cardiovascular health. Proteins found to have the greatest percent
decrease were those associated with cardiovascular, renal and
metabolic dysfunction. Post-dose changes in blood arginine and silicon
levels were significantly correlated with changes in proteins. In
conclusion, Nitrosigine® supplementation significantly improved
plasma protein concentrations associated with cardiovascular health
after a single dose, and to an even greater extent, after 14 days of
administration.¹¹

In a small, double-blind, randomized controlled crossover trial,
twelve healthy older-aged adults took supplemental arginine or
placebo for 14 days, and treatments were then crossed over after a 14-
day washout period. Flow-mediated dilation (a measure of
endothelial function) of the brachial artery was monitored by
ultrasound. Arginine improved flow-mediated dilation whereas placebo
had no effect. Since endothelial function is normally compromised in
healthy adults as we age, the results indicate that arginine is a useful
supplemental nutrient to promote healthy endothelial function in
healthy, aging individuals.¹³

SCIENTIFIC REFERENCES

determine the safety, pharmacokinetics and pharmacodynamics of
an inositol-stabilized arginine silicate dietary supplement in healthy

Oral L-arginine improves endothelial function in healthy individuals

3. Pieper GM, Siebeneich W, Dondlinger LA. Short-term oral administra-
tion of L-arginine reverses defective endothelium-dependent relax -
ation and cGMP generation in diabetes. Eur J Pharmacol. 1996;317(2-

4. Piatti PM, Monti LD, Valsecchi G, et al. Long-term oral L-arginine ad-
mistration improves peripheral and hepatic insulin sensitivity in type

DS. Oral L-arginine improves endothelium-dependent dilatation and
reduces monocyte adhesion to endothelial cells in young men with

6. Kawano H, Motoyama T, Hirai N, Kugiyama K, Yasue H, Ogawa H. En-
dothelial dysfunction in hypercholesterolemia is improved by L-argi-
nine administration: possible role of oxidative stress. Atherosclerosis.

thelium-dependent dilation in hypercholesterolemic young adults. J

8. Higashi Y, Oshima T, Ozono R, Matsuura H, Kajiyama G. Aging and se-
verity of hypertension attenuate endothelium-dependent renal vas-

9. Gokce N. L-arginine and hypertension. J Nutr. 2004;134(10 Sup-
pl):2807S-2811S.

terization of particulate endothelium-derived relaxing factor synthase
from cultured and native bovine aortic endothelial cells. Proc Natl

11. Komorowsk J, Rood-Ojavo S, El-Sohemy A. Arginine silicate supple-
mentation decreases markers of cardiovascular, renal and metabolic
dysfunction and increases markers of vasodilation and cardiovascular
health in healthy adult males. FASEB J. April 2015; 29:748.2

12. J. Loeper, J. Loeper, M. Fragny. The physiological role of the silicon and

13. Brown AA, Hu FB. Dietary modulation of endothelial function: impli-

* These statements have not been evaluated by the Food and Drug Administra-
This product is not intended to diagnose, treat, cure or prevent any disease.

© Doctor’s Best, Inc.
phone: 800-333-6977 • fax: 949-498-3952 • www.drbvitamins.com