

ON BLOOD LEVELS GLUCOSE CONTROL

WE ARE THE MAX

ND Pharma & Biotech's

Glucofen™

NATURAL DRY STABILIZED EXTRACT of *Lagerstroemia Speciosa L.* and *Fenugreek*

Every day more and more people is trying to cope with insulin resistance and its concomitant health problems. Consumers are in ever-growing demand of nutritional supplements that may help to manage population increasing blood sugar levels. Industry is also engaged in a run for sugar reduction and minimisation of sugar impact in human metabolism and related-health issues. We have extensive research and expertise in clinically-proven natural solutions to help to maintain healthy sugar blood levels without causing hypoglycaemia, controlling insulin peak reactions and reducing biosynthesis activity in decreasing glucose (glycaemic) levels. Glucofen™ is the natural solution-Nutraceutical ingredient and food supplement that may promote a healthy weight management and blood sugar levels control in a fast, healthy and safe way. So when talking of sugar control an minimisation of blood-sugar level impact experience we are the MAX in Glucose control for health.



It's estimated that worldwide numbers for diabetes in 2050 will be around one in five for adult population. According to the latest U.S. Centers for Disease Control statistics published in the 2014 National Diabetes Statistics Report, more than 29 million Americans, (around 9,3% of U.S. Population) will already having diabetes. Going further, it's known that , and it's an alarming situation that actually more than 86 million Americans are considered pre-diabetic, a condition in which fasting glucose or glycosylated hemoglobin (HbA1c) levels are rising up and abnormally high, but does not meet criteria yet for a diabetes diagnostic. Is what is generally known as a "sub-clinical condition". 35% of adults over 20 have metabolic syndrome, a cluster of metabolic abnormalities that include insulin resistance, high blood pressure, excess abdominal fat, abnormal blood lipids and elevated inflammatory markers.

These numbers represents a significant risk factor for some other health and disease conditions and disturbances. Speaking of blood vessel health, it's important to say that people with diabetes and sometimes with pre-diabetic numbers are at increased risk of vascular dysfunction and artery –oxidation and sedimentation-related problems. Oxidative damages to arteries and cholesterol and other waste and fat sedimentation and calcified deposits on artery walls represents a silent and emerging risk for heart disease, as a major condition and some other minor threats like vasospasm, changes in the normal functioning and the perfusion-reperfusion conditions of brain circulation that may create proper field for injuries derived from such alterations with concomitancy of other stress factors like high impact sports, non-concussive injuries, consumption of certain drugs and medications (as blood vessel dilators), hypertension control medications, etc.

Blood sugar and insulin regulation deficiency also impact and determine other health parameters. Talking about the cognitive and memory functions, recent studies suggest thru the evidence that people with insulin-resistance and deficient or impaired glucose balance control mechanisms are at higher risk of development and progression of brain health conditions including Alzheimer's diseases. In fact recent trends in Alzheimer's investigation on prevention issues are targeting the normalization of blood sugar control level and insulin function mechanisms of regulation.

Other conditions as postprandial hyperglycemia, endothelial cell damage, and long term non-reversible conditions and diseases, are major cause for a early intervention over blood sugar levels and insulin-reaction mechanisms control. Changes in lifestyle, diet, and exercise may contribute to this, but is clearly insufficient for such pretended purposes, that undoubtedly are step-running to be a public health concern for developed world population.

Glucofen™

Natural Dry Stabilized Extract of *Lagerstroemia Speciosa L.* (adjusted to a specific percentage of *corosolic acid* and Fenugreek (*Trigonella foenum-graecum*).

Available in powder, crystal salts, oil-base for gel caps and other adaptable forms of presentation .

Glucofen™

Is available as ingredient for different industrial applications and uses, as in supplements, nutraceuticals, etc.

Glucofen™

IS CLINICALLY – PROVEN, SAFE AND EFFECTIVE.

GLUCOFEN promotes %drop from baseline in glucose levels up to a 10% during the 1st week after administration and up to a 15% after 2 weeks of administration in clinical research studies in comparison to the control groups where reduction reached a lower 2%.

Clinical Studies were conducted up to 15 weeks duration without adverse clinical effects/reactions observed.



ND Pharma & Biotech
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