



**Mulbalance® Mulberry Leaf Extract**  
(*Morus alba*)

Blood Glucose Control Natural Solution



*Professional Manufacturer of Natural Ingredients*



CFDA SC ISO9001 HACCP FSSC KOSHER HALAL Organic FAMI QS



### **About Mulberry Leaf (*Morus alba*)**

Mulberry is widely planted in China and its leaf is the food for silkworms. It has been listed in the homology of medicine and food for a very long time. Mulberry leaf is called “fairy grass” in the Chinese traditional pharmacopeia *The Compendium of Materia Medica*.

In the 1990s, mulberry leaf got very popular in Japan. The Japanese regard it as one of the secrets for long life and fresh mulberry leaf juice sweeps the trend, other products like mulberry leaf tea, noodles and cookies are well-welcomed too.

Recent scientific studies have disclosed mulberry leaf is an excellent natural solution for adjusting blood glucose and serum lipid, therefore in America and Europe mulberry leaf has become the most popular blood glucose control supplement/ nutraceuticals.

### **ACE Mulbalance® Mulberry Leaf Extract**

ACE Biotechnology’s mulberry leaves are certified organic (USDA NOP). We select the 1<sup>st</sup> ~ 3<sup>rd</sup> new leaves on the branches in the late period of spring to ensure the best quality starting materials are used to manufacture the extract.

The extracts are carefully processed to concentrate the phytonutrients (flavonoids, polyphenols, alkaloids, etc.) of this herb, and standardized to 1-Deoxynojirimycin (known as 1-DNJ) which is reported responsible for blood glucose control property.

**Mulbalance® is a featured Mulberry Leaf Extract manufactured by ACE Biotechnology with patented-professing. Mulbalance® has good water solubility and taste, widely applied in Dietary Supplement, Bakery, Beverage, Confectionary, Dairy, and Refined Grains, etc., helping control blood glucose.**

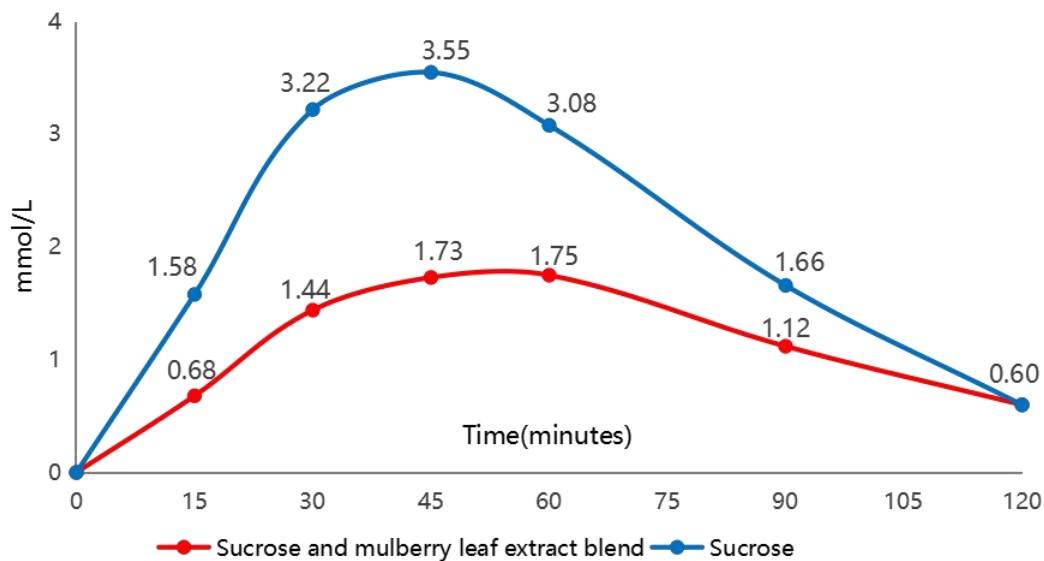
### **Mulbalance® Mulberry Leaf Extract Health Benefits**

- ✓ Lower the Glycemic Index(GI) of Food
- ✓ Decrease the Absorption of Carbohydrate
- ✓ Control Postprandial Blood Glucose
- ✓ Lower Postprandial Insulin Response

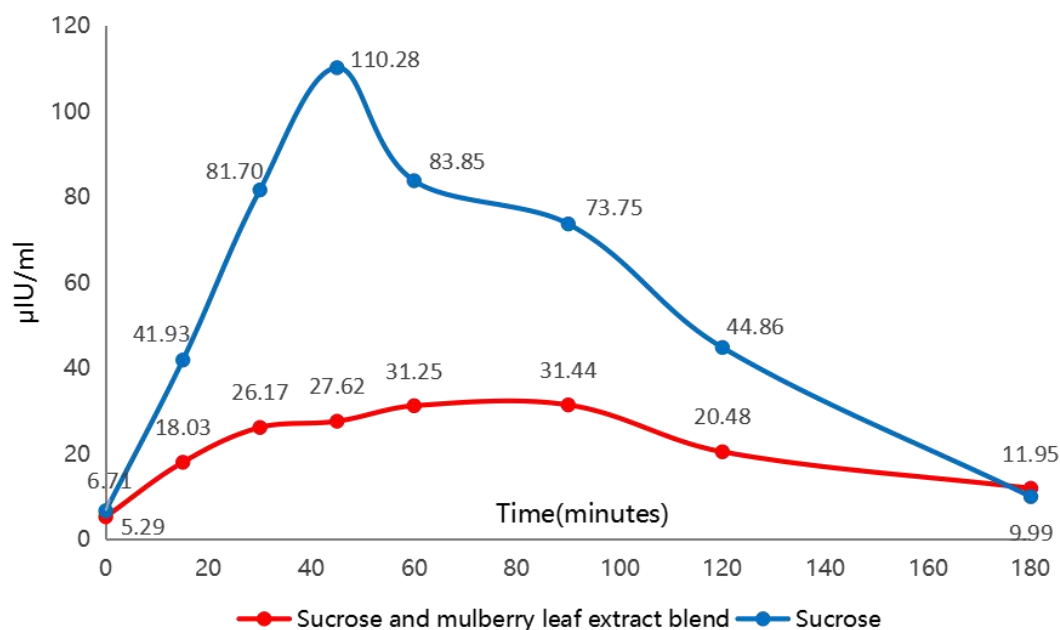


## ACE MulBalance® Mulberry Leaf Extract Human Clinical Trial

### Change in blood glucose



### Blood insulin curve



### Available Products & Applications

- ◇ Dietary supplements
  - Mulberry Leaf Extract 1-DNJ 1~10%
  - Mulberry Leaf Extract Polysaccharides 10%
- ◇ Functional foods & beverages
  - Mulberry Leaf Extract 1-DNJ 1~10%
- ◇ Personal care & cosmetics
  - Mulberry Leaf Extract Total Flavonoids 10~30%
  - Mulberry Leaf Extract Serum
- ◇ Feed additives
  - Mulberry Leaf Extract Total Flavonoids 10%



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