

Project of Extraction and Refining Technology of White Thorn Seed Oil

I. Background of the project

i. Market analysis

The results of research and product development in recent years show that white thorn seed oil has been applied in the prevention and treatment of cardiovascular disease, anti-fatigue, improve immunity, hypoxia resistant product development, and has a significant effect. Due to its unique functions, the demand for products and market intermediates in Japan, South Korea, the United States and other countries has increased year by year. Health food, cosmetics and drugs with white thorn flavonoids, white thorn seed oil, white thorn fruit powder, concentrated white thorn juice and other products as raw materials have been put on the market continuously, which has expanded the application scope of white thorn products.

ii. Advantages of Xining

Industrial advantages: white thorn resources in Qinghai grow in high-altitude and pollution-free riverbank, hillside and wasteland, far away from towns and people, and fully meet the requirements of organic agriculture international union to organize the production and supervision of non-pollution ecological products. Because the altitude of white thorn growing area is more than 2800m, the climate is dry, the air humidity is relatively low, the diseases and pests are relatively less, the ecological environment is clean, and the water source and soil are not polluted, the white thorn products achieve reach the highest standard of the industry. At the same time, from raw material procurement to finished products processing, Kangjian Company operates in strict accordance with the requirements of various quality and safety systems to fully ensure the quality and safety of products, which is particularly important in the European and American markets.

Location advantage: Xining Biological Technology Industrial Park is in the center of five districts and three counties of Xining, connecting Beichuan Industrial Park in the north, Dongchuan Industrial Park and Haidong Industrial Park in the East through Beijing Tibet expressway, NanChuan Industry Park and Han He Industry Park lie to the south of it. It is 6 km away from the urban center, 20 km away from Xining Airport and 4 km away from Xining North Train Station. Ningzhang highway

(National Highway 227) and Haihu Avenue pass through the east and west sides of the park, so the traffic is very convenient.

II. Main raw material supply

At present, the easier-to-develop white thorn fruit in Qaidam basin in our province is more than 100,000 tons per year, including 30,000 tons of seeds. The supply of raw materials is guaranteed.

III. Basic information of the project

The project plans to complete the construction of 2000 square meters of production workshop, including 1000 square meters of cold pressing workshop and 1000 square meters of extraction workshop. A total of 19 sets of cold pressing, extraction refining, inspection and detection equipment were purchased. After the project is completed, white thorn seeds as raw materials, a by-product of white thorn fruit deep processing project will achieve an annual output of 150 tons of white thorn seed essential oil. We hope to cooperate with fortune 500 enterprises in sales channels and equity investment.

IV. Construction conditions

The "four vertical and three horizontal" transportation, water supply and drainage, sewage discharge, power supply, natural gas, telecommunication and other infrastructure within the planning scope have been fully completed in the park, which can meet the needs of enterprise's construction and production. The regional transportation is convenient, which is helpful to the construction and implementation of the project.

V. Project progress at the present stage

The feasibility report of the project is being prepared.

VI. Investment budget, cooperation modes and economic benefits

The total investment of the project is about 100 million yuan, and the annual sales revenue is expected to be 50 million yuan.

VII. Preferential policies: The project enjoys the preferential policy of China Western Development

Contacts: Tie Tao, Economic, science and technology bureau in Biological Park.

Tel: +86-971-5319375

Fax: +86-971-5319375

E-mail:

417415394@qq.com