**1. Box-Behnken design**

1.1. Open the software.

Screenfile 1

1.2. Select **Box-Behnken Design**, input the number of influencing factors, and input the level information based on the results of the single factor experiment; then click **Continue**.

Screenfile 2

1.3. Input the number of response values.

Screenfile 3

1.4. Process Tiebangchui with highland barley wine based on design results, then calculate the comprehensive scoring for each group and input the score results.

1.4.1. Click **analyze** to analyze date and model information.

1.4.2. Click **Optimization** to view predicted optimal process conditions.

Screenfile 4