

Table 7. Summary of Characteristic Differences in Each Producing Area.

Producing area	Appearance	Texture	AC/DA (%)	MAC/DA (%)	HAC/DA (%)	FL (%)	NL (%)	NL/WA (%)	ZR/WA (%)
Jiangyou City, Sichuan Province	Slightly wrinkled	Solid and full					>0.02	>35	≤50
Chengdu County and Nan Zheng County, Shaanxi Province	Severely wrinkled	Slightly solid and full					>0.01	>20	≤70
Butuo County, Sichuan Province	Severely wrinkled	Light and obviously hollow	<30		>10	<0.01	<0.01	<20	>70
Yun long County and Binchuan County, Yunnan Province	Severely wrinkled	Light and obviously hollow		>45	<10	<0.01		<30	>50

*AC/DC is the content ratio of aconitine/three diester alkaloids. MAC/DA is the content ratio of mesaconitine/three diester alkaloids. HAC/DA is the content ratio of hypaconitine/three diester alkaloids. FL is the content ratio of fuziline/total alkaloids. NL is the content ratio of neoline/total alkaloids. WA is the content ratio of three water-soluble alkaloids/total alkaloids. NL/WA is the content ratio of neoline/three water-soluble alkaloids. ZR/WA is the content ratio of zongorine/three water-soluble alkaloids. WA/DA is the content ratio of three water-soluble alkaloids/three diester alkaloids.

following indicators: The content of neoline was greater than 0.01%, accounting for more than 20% of the total content of the three water-soluble alkaloids. However, the content of zongorine accounted for less than 70% of the sum of the three water-soluble alkaloids. The Chuanwu that met all the above indicators could be identified as those that were produced in Hanzhong City, Shaanxi Province.

Screaming of Characteristic Indexes and Cause Analysis of Chuanwu in Butuo Country, Sichuan Province

Butuo Country in Sichuan Province has high altitude as well as strong sunshine, and the frost-free period is 200 days throughout the year. The field management there is rather rough. Due to such climatic conditions and man-made management, the local Chuanwu shrinks seriously, with a grayish brown to tan surface, a yellow section, a light texture, and an obvious hollow. The local ebony shrank seriously, with a grayish brown to yellowish brown surface, a yellow section, a light texture, and an obvious hollowness. Through comprehensive quality evaluation, Chuanwu from Butuo can be distinguished by the following indicators: The content of aconitine accounted for less than 30% of the total of the three diester alkaloids. The contents of fuziline and neoline were both less than 0.01%. The contents of neoline and zongorine accounted for less than 20% and 70% of the sum of the three water-soluble alkaloids, respectively. The content ratio of the three water-soluble alkaloids to the three diester alkaloids was greater than 0.8. The Chuanwu that met all the above indicators can be identified as Chuanwu produced in Butuo Country, Sichuan Province.

Screaming of Characteristic Indexes and Cause Analysis of Chuanwu in Lijiang City, Yunnan Province

The climatic conditions in Lijiang City, Yunnan Province, are similar to those in Butuo County, Sichuan Province, with an annual frost-free period of about 100-200 days. On-site management is also relatively rough. Due to such climatic conditions and man-made management, Chuanwu from this produce area shrank seriously, with a grayish brown to tan surface, a yellow section, a light texture, and an obvious hollow. The following indicators can be used to distinguish Chuanwu from Yunnan: The content of mesaconitine accounted for more than 45% of the sum of the three diester alkaloids. The content of hypaconitine was less than 10% of the sum of the three diester alkaloids. The content of fuziline was less than 0.01%. The content of neoline was less than 30% of the sum of the three water-soluble alkaloids. The content of zongorine accounted for more than 50% of the total content of three water-soluble alkaloids. The Chuanwu produced in

