



Hangzhou New Asia International Co., Ltd

189 FengQi East Road, TSN Plaza 4-706

Hangzhou, Zhejiang, 310020, P.R.China

Tel: 86-571-85815391

Fax: 86-571-85815449

E-mail: sales@herbalsextract.com

Website: www.herbalsextract.com



RAW MATERIAL SPECIFICATION

Chinese Skullcap Root (USP Grade)

General Information	
Other Names	: Baical Skullcap Root, Baikal Skullcap Root, Scutellariae Baicalensis Radix, Radix Scutellariae
Definition	: Chinese Skullcap Root consists of the dried roots of Scutellaria baicalensis Georgi (Family Lamiaceae) collected in spring or autumn by removing fibrous roots and rough skin.
Part Used	: Root
Botanical/Scientific Name	: Scutellaria Baicalensis L.
GM Status	: Not Genetically modified
Allergen Status	: Not Allergen
Cultivated/Wild	: Cultivated
Country Of Origin	: China
Harvesting Period	: Spring and Autumn
Treatment After Harvesting	: Drying
Sanitising Treatment After Harvesting	: None
H.S.Code	: 1211.90



ITEMS	SPECIFICATION	METHOD
-------	---------------	--------

Physical & Chemical Data		
Macroscopic/microscopic ID	: The roots are conical and twisted, 8–25 cm long, 1–3 cm in diameter; the upper part rough with twisted longitudinal wrinkles or irregular reticular stripes; the lower part with longitudinal striations and fine wrinkles. The outer surface is brownish yellow or dark yellow with sparse and warty rootlet scars. Texture is hard and fragile, easily broken. The fracture is yellow but reddish brown in the center. The old roots have a dark-brown fracture with a withered or hollow center.	

Analytical Quality		
HPLC CHROMATOGRAMS	:	
Total Favone glucuronides	: $\geq 11.0\%$	USP
Total Favone aglycones	: $\leq 3.5\%$	USP
Foreign Organic Matter	: $\leq 1.0\%$	USP
Alcohol-Soluble Extractives	: $\geq 18.0\%$	USP
Water-Soluble Extractives	: $\geq 28.0\%$	USP
Total Ash	: $\leq 6.0\%$	USP
Acid-Insoluble Ash	: $\leq 1.0\%$	USP
LOSS ON DRYING	: $\leq 12.0\%$	USP

Contaminants		
Lead (Pb)	: ≤ 2.0 mg/kg	USP
Arsenic (As)	: ≤ 2.0 mg/kg	USP
Cadmium (Cd)	: ≤ 1.0 mg/kg	USP
Mercury (Hg)	: ≤ 0.1 mg/kg	USP
Pesticides Residue	: Meet USP Requirements	USP

Packing & Storage	: Packed in PP Bag /Carton and two plastic-bags inside. N.W: 10-30kgs Store in a well-closed container. Away from moisture, light, oxygen.
------------------------------	---

Shelf life	: 24 months under the conditions above and in its original packaging.
-------------------	---