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RAW MATERIAL SPECIFICATION

Rhubarb (JP Grade)

General Information		
Other Names	: Rhei radix, Rhei Rhizoma	
Definition	: Rhubarb is usually the rhizome of <i>Rheum palmatum</i> Linn é, <i>Rheum tanguticum</i> Maximowicz, <i>Rheum officinale</i> Baillon, <i>Rheum coreanum</i> Nakai or their interspecific hybrids (Polygonaceae).	
Part Used	: Root	
Botanical/Scientific Name	: <i>Rheum palmatum</i> L, <i>Rheum tanguticum</i> Maximowicz, <i>Rheum officinale</i> Baillon	
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	Ovoid, oblong-ovoid or cylindrical rhizome, often cut crosswise or longitudinally, 4 – 10 cm in diameter, 5 – 15 cm in length. In the case of Rhubarb without most part of cortex, the outer surface is flat and smooth, yellow-brown to light brown in color, and sometimes exhibiting white, fine reticulations; thick and hard in texture. In the case of Rhubarb with cork layer, externally dark brown or reddish black, and with coarse wrinkles; rough and brittle in texture. The fractured surface of Rhubarb is not fibrous; transverse section grayish brown, light grayish brown or brown in color, having patterns of blackish brown tissue complicated with white and light brown tissues; near the cambium, the patterns often radiate, and in pith, consist of whirls of tissues radiated from the center of a small brown circle 1 – 3 mm in diameter and arranged in a ring or scattered irregularly.	
Analytical Quality		
Sennosides A	: $\geq 0.25\%$	JP
Extract Content	: $\geq 30.0\%$	JP
Total Ash	: $\leq 13.0\%$	JP
Acid-Insoluble Ash	: $\leq 2.0\%$	JP
LOSS ON DRYING	: $\leq 13.0\%$	JP
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.	