

**MARKET INSIDER FOR MEDICINAL PLANTS & NATURAL INGREDIENTS**  
**INDICATIVE PRICES FOR SELECTED BOTANICAL INGREDIENTS**

November 2016

Rates of Exchange: 24 November 2016

CURRENCY	CODE	UNITS 1 / USD	UNITS 1 / EUR
Chinese Yuan Renminbi	CNY	6.92015	7.30387
EURO	EUR	0.947503	1.0000
Indian Rupee	INR	68.7442	72.5537
Nepalese Rupee	NPR	109.992	116.082
Russian Ruble	RUB	64.5089	68.0805
United States Dollar	USD	1.0000	1.05537

Source: XE Currency Converter: <http://www.xe.com/currencyconverter/>

**Note:** Prices should be considered indicative only and reflect the price of a product of a specific grade or quality from the specified origin. Great care should be taken when comparing prices of medicinal herbs of different origins, grades, qualities and quantities.

AJOWAN FRUIT			
Botanical name: <i>Trachyspermum ammi</i> Hindi: Ajwain / Sanskrit: Yavani Pharmacopoeial name: Trachyspermi Ammi Fructus			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) flatulence with a gurgling sound; b) distension of abdomen due to obstruction to passage of urine and stools; c) diseases of abdomen; d) abdominal lump; e) intestinal parasites; f) sharp piercing pain.		
	<b>Traditional Unani Medicine:</b> a) flatulence in the stomach; b) gastric pain; c) anorexia; d) colic; e) pertussis; f) diarrhoea; g) hysteria; h) cholera.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Neemuch, Madhya Pradesh	10700~13700 INR / quintal (= 100 kg); Modal price: 12000 INR / quintal	\$1.55505~\$1.99104 / kg (Modal price: \$1.74526 / kg)	24.11.2016
FOB Mumbai Port, MH	US\$ 3100 / MT (Machine clean; 14 MT)	\$3.10 / kg	21.11.2016
AMLA FRUIT			
Botanical name: <i>Phyllanthus emblica</i> Chinese: Yuganzi (餘甘子); Hindi: Amla; Nepalese: Amala; Sanskrit: Amalaki Pharmacopoeial name: Phyllanthi Fructus			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) bleeding disorders; b) hyperacidity; c) increased frequency and turbidity of urine; d) burning sensation.		
	<b>Traditional Chinese Medicine:</b> a) to remove <i>heat</i> in the blood and <i>blood stasis</i> ; b) maldigestion; c) dyspepsia, abdominal pain; e) cough; sore throat, and dryness of the mouth.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Neemuch, Madhya Pradesh	56 INR / kg (Origin: Madhya Pradesh)	\$0.814479 / kg	October 2016
Nepalgunj, Nepal	60.00 NPR / kg (wild-collected, Nepal)	\$0.548948 / kg	October 2016
FOB Mumbai Port, MH	US\$ 1300 / MT (50% seed, clean; 15 MT)	\$1.30 / kg	21.11.2016

ASHWAGANDHA ROOT			
Botanical name: <i>Withania somnifera</i> Hindi: Asganh / Sanskrit: Asvagandha Pharmacopoeial name: Withaniae Somniferae Radix			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) inflammatory disorders; b) phthisis (any wasting or atrophic disease, weakness, diseases due to vata dosha); and c) male impotence.		
	<b>Traditional Siddha Medicine:</b> a) oligospermia; b) lancinating pain; c) loss of body strength; d) anemia; e) convulsions/seizures/fits; f) disordered humor; g) eczema; h) edema/swelling; and i) tuberculosis.		
	<b>Traditional Unani Medicine:</b> a) leucorrhoea; b) spermatorrhoea; c) decreased viscosity of semen; d) sexual debility; e) lumbago; and f) arthritis.		
MARKET	PRICE	CONVERTED TO US\$ / kg	DATE OF PRICE
Neemuch, Madhya Pradesh	220 INR / kg	\$3.19974 / kg	October 2016
FOB Mumbai Port, MH	US\$ 3700 / MT (Grade 1, 15 MT)	\$3.70 / kg	21.11.2016
BARBARY WOLFBERRY FRUIT			
Botanical name: <i>Lycium barbarum</i> Chinese: gou qi zi (枸杞子) Pharmacopoeial name: Lycii Fructus			
<b>Medicinal uses:</b>	<b>Traditional Chinese Medicine:</b> a) general debility with deficiency of <i>vital essence</i> manifested by aching of the loins and knees, dizziness and tinnitus; b) diabetes caused by <i>internal heat</i> ; c) anaemia; d) impaired vision.		
MARKET	PRICE	CONVERTED TO US\$ / kg	DATE OF PRICE
Chengdu, Sichuan	68.00 CNY / kg (Grade 280, Ningxia origin)	\$9.83416 / kg	24.11.2016
Chengdu, Sichuan	58.00 CNY / kg (Grade 280, Xinjiang origin)	\$8.38742 / kg	24.11.2016
BETLENUT (SEED)			
Botanical name: <i>Areca catechu</i> Chinese: Binglang (檳榔) / Sanskrit: Puga, Kramuka, Ghona Pharmacopoeial name: Arecae Catechu Semen			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) tastelessness; b) contortion of the mouth; c) loss of vaginal muscle tone; d) leucorrhoea (white to yellow viscid discharge from the vagina or uterine cavity).		
	<b>Traditional Chinese Medicine:</b> a) taeniasis (parasitic infection caused by the tapeworm); b) ascariasis (disease caused by the parasitic roundworm); c) fasciolopsiasis (diseases caused by the intestinal fluke); d) abdominal pain due to intestinal parasitosis; e) diarrhea due to accumulation of undigested food; f) oedema and weakness of the legs; g) malaria.		
MARKET	PRICE	CONVERTED TO US\$ / kg	DATE OF PRICE
Bantwala, Karnataka	8000~14500 INR / quintal (Modal price: 13000 INR / quintal; Cqca variety cultivated)	\$1.16291~\$2.10777 / kg (Modal price: \$1.88946 /kg)	24.11.2016
CALAMUS RHIZOME			

Botanical name: <i>Acorus calamus</i> Chinese: zang chang pu (藏菖蒲) / Nepalese: Bojho / Sanskrit: Vaca Pharmacopoeial name: Acori Calami Rhizoma			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) colic pain; b) epilepsy; c) asthma; d) constipation; e) mania; f) flatulence; g) otorrhoea; and h) weak memory.		
	<b>Traditional Chinese Medicine:</b> a) tonify stomach <i>yang</i> ; b) treat maldigestion and food stagnation; c) diphtheria.		
MARKET	PRICE	CONVERTED TO US\$ / kg	DATE OF PRICE
Chennai, Tamil Nadu	75 INR / kg	\$1.09083 / kg	October 2016
Nepalgunj, Nepal	95 NPR / kg	\$0.869167 / kg	October 2016
CHAMOMILE FLOWER (GERMAN)			
Botanical name: <i>Matricaria recutita</i> Czech: heřmánkový květ / German: Kamillenblüten / Hungarian: Kamillavirágzat Pharmacopoeial name: Matricariae flos			
<b>Medicinal uses:</b>	<b>Traditional European Medicine:</b> a) for the symptomatic treatment of minor gastro-intestinal complaints such as bloating and minor spasms; b) for the treatment of minor ulcers and inflammations of the mouth and throat; c) for adjuvant therapy of irritations of skin and mucosae in the anal and genital region, after serious conditions have been excluded by a medical doctor; d) for the treatment of minor inflammation of the skin (sunburn) and superficial wounds and small boils (furuncles).		
MARKET	PRICE	CONVERTED TO US\$ / kg	DATE OF PRICE
FOB Alexandria Port	US\$ 4000 / MT (flower; conventional; 7 MT 40' FCL)	\$4.00 / kg	17.11.2016
FOB Alexandria Port	US\$ 5000 / MT (flower; fairtrade + organic; 7 MT 40' FCL)	\$5.00 / kg	17.11.2016
CHEBULIC MYROBALAN FRUIT			
Botanical names: <i>Terminalia chebula</i> or <i>T. chebula</i> var. <i>tomentella</i> Arabic: Halelaj / Chinese: he zi (訶子) / Nepali: Harro / Sanskrit: haritaki / Tamil: kaddukai Pharmacopoeial name: Chebulae Fructus			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) inflammation; b) piles; c) tastelessness; d) heart disease; e) cough; f) anemia; g) increased frequency and turbidity of urine; h) upward movement of gases; i) constipation; j) chronic fever; k) intermittent fever; l) disease of head; m) bronchial asthma; n) abdominal lump; o) diseases of abdomen.		
	<b>Traditional Chinese Medicine:</b> a) protracted diarrhoea with hematochezia (passage of bright red, bloody stools) and prolapse of the rectum; b) chronic cough with sore throat and hoarseness of voice.		
	<b>Traditional Siddha Medicine:</b> a) jaundice; b) eye diseases; c) bleeding disorders; d) constipation; e) ascites; abnormal accumulation fluid in the peritoneal cavity; f) poison.		
	<b>Traditional Unani Medicine:</b> a) asthenopia; eye strain; b) weakness of the brain; c) weakness of the stomach; d) weakness of the intestines.		
MARKET	PRICE	CONVERTED TO US\$ / kg	DATE OF PRICE
Bengaluru, Karnataka	32 INR / kg (wild collected)	\$0.465417 / kg	October 2016

FOB Mumbai Port, MH	US\$ 450 / MT (Grade: good yellow; 15 MT)	\$0.45 / kg	21.11.2016
Kathmandu, Nepal	75 NPR / kg (dried; without seed)	\$0.686185 / kg	October 2016
<b>CHIRATA HERB</b>			
Botanical name: <i>Swertia chirayita</i> Nepalese: Chiraito / Sanskrit: Kiratatikta Pharmacopoeial name: Swertiae Herba			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) fever; b) thirst; c) burning sensation; d) inflammation; e) skin diseases; f) ulcer; g) intestinal worms; h) itching; and i) excessive flow of urine.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Amritsar, Punjab	400 INR / kg (wild and cultivated)	\$5.81774 / kg	October 2016
Nepalgunj, Nepal	400 NPR / kg	\$3.65965 / kg	October 2016
<b>CRANBERRY FRUIT</b>			
Botanical name: <i>Vaccinium macrocarpon</i> French: canneberge / Spanish: arándano agrio Pharmacopoeial name: Macrocarponii Fructus			
<b>Medicinal uses:</b>	<b>Traditional Western Herbal Medicine:</b> to help prevent recurrent urinary tract infections.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Ex-whse New Jersey, USA	US\$ 1.95 / lb (Min. qty: 1,000 lbs)	\$4.29897 / kg (Min. qty: 454 kg)	02.11.2016
<b>FENNEL FRUIT, SWEET</b>			
Botanical name: <i>Foeniculum vulgare</i> Arabic: شمر; Chinese: xiao hui xiang (小茴香) / Hindi: Saunf / Sanskrit: Misreya Pharmacopoeial name: Foeniculi Fructus			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) digestive impairment; b) colic pain; c) cough; d) vitiated blood; e) dysentery; and f) piles.		
	<b>Traditional Chinese Medicine:</b> a) treatment of scrotal hernia with pain and cold extremities; b) dysmenorrhoea with lower abdominal pain and cold sensation; and c) distending pain in the epigastrium with anorexia.		
	<b>Traditional European Medicine:</b> a) symptomatic treatment of mild, spasmodic gastrointestinal complaints including bloating, and flatulence; b) symptomatic treatment of minor spasm associated with menstrual periods; and c) as an expectorant in cough associated with cold.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Chengdu, Sichuan	12 CNY / kg (northwest China origin)	\$1.73537 / kg	24.11.2016
FOB Alexandria Port	US\$ 1100 / MT (Grade: 99%; conventional; Qty: 25 MT 40' FCL)	\$1.10 / kg	17.11.2016
FOB Alexandria Port	US\$ 1200 / MT (Grade: 99%; fairtrade & organic; 25 MT 40' FCL)	\$1.20 / kg	17.11.2016
FOB Mumbai Port, MH	US\$ 1875~2100 / MT (Grade: Europe 99%;	\$1.875~\$2.100 / kg	17~21 Nov. 2016

	Qty: 14~18 MT)		
FOB Indian Port	US\$ 1065 / MT (Grade: Singapore 99%)	\$1.065 / kg	22.11.2016
<b>FENUGREEK SEED</b>			
Botanical name: <i>Trigonella foenum-graecum</i> Arabic: حلبة حصى; Chinese: hu lu ba (胡蘆巴) / Sanskrit: Methi Pharmacopoeial name: Trigonellae Foenugraeci Semen			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) malabsorption syndrome; b) fever; c) increased frequency and turbidity of urine; and d) loss of taste sensation.		
	<b>Traditional Chinese Medicine:</b> a) cold syndrome of the <i>kidney</i> due to <i>yang deficiency</i> marked by pain and coldness in the lower abdomen; b) hernia; and c) weakness and oedema of the legs caused by <i>cold-damp</i> .		
	<b>Traditional European Medicine:</b> a) (oral) temporary loss of appetite; b) (cutaneous) symptomatic treatment of minor inflammations of the skin.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
FOB Alexandria Port	US\$ 650 / MT (Grade: 99%; conventional; Qty: 25 MT 40' FCL)	\$0.65 / kg	17.11.2016
FOB Alexandria Port	US\$ 750 / MT (Grade: 99%; fairtrade & organic; 25 MT 40' FCL)	\$0.75 / kg	17.11.2016
FOB Mumbai Port, MH	US\$ 587~780 / MT (Grade: Sortex; Qty.: 21~24 MT 20' FCL)	\$0.587~\$0.780 / kg	17-22 Nov. 2016
<b>GINGER RHIZOME</b>			
Botanical name: <i>Zingiber officinale</i> Chinese: gan jiang (干姜) / Nepalese: Sutho / Sanskrit: Sunthi Pharmacopoeial name: Zingiberis Rhizoma			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) digestive impairment; b) flatulence; c) anaemia; d) asthma; e) abdominal diseases; and f) rheumatism.		
	<b>Traditional Chinese Medicine:</b> a) epigastric pain with cold feeling, vomiting and diarrhoea accompanied with cold extremities and faint pulse; and b) dyspnoea and cough with copious expectoration.		
	<b>Traditional European Medicine:</b> a) symptomatic relief of motion sickness; and b) symptomatic treatment of mild, spasmodic gastrointestinal complaints including bloating and flatulence.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Chengdu, Sichuan	15.00 CNY / kg (Yunnan origin)	\$2.16965 / kg	24.11.2016
Nepalgunj, Nepal	185 NPR / kg	\$1.69259 / kg	October 2016
Perumbavoor, Kerala	12500~13500 INR / quintal (= 100 kg); Modal price: 13000 INR / quintal	\$1.81832~\$1.96378 / kg (Modal price: \$1.88946 / kg)	24.11.2016
FOB Mumbai Port, MH	US\$ 2240 / MT (Grade: Europe; Qty. 12.5 MT 20' FCL)	\$2.24 / kg	17.11.2016
<b>GOTU KOLA HERB</b>			
Botanical name: <i>Centella asiatica</i>			

Chinese: ji xue cao (积雪草) / Sanskrit: Mandukaparni Pharmacopoeial name: Centellae Asiaticae Herba			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) inflammation; b) tastelessness; c) fever; d) cough; e) itching; f) skin diseases; g) excessive bleeding disorder; h) excessive flow of urine; i) asthma; j) anaemia; k) blood disorders.		
	<b>Traditional Chinese Medicine:</b> a) jaundice caused by <i>damp-heat</i> ; b) heat stroke with diarrhoea; c) urolithiasis and haematuria; d) carbuncles and boils; e) traumatic injuries.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Chengdu, Sichuan	8.00 CNY / kg	\$1.15731 / kg	24.11.2016
FOB Mumbai Port, MH	US\$ 3800 / MT (Quality: clean, well-dried; 12 MT)	\$3.80 / kg	21.11.2016
<b>HENNA LEAF</b>			
Botanical name: <i>Lawsonia inermis</i> Arabic: Hina (حناء) / Sanskrit: Madyanti Pharmacopoeial name: Lawsoniae folium			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) vertigo; b) fever; c) itching; d) diseases of skin; e) bleeding disorder; f) jaundice; g) blood disorder; h) dysuria (painful urination); i) ulcer.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Jaipur, Rajasthan	50 INR / kg (cultivated)	\$0.727215 / kg	October 2016
FOB Mumbai Port, MH	US\$ 1500 / MT (powder; Qty. 12 MT)	\$1.50 / kg	21.11.2016
FOB Alexandria Port	US\$ 2100 / MT (T.B.C.; conventional; Qty: 14 MT 40' FCL)	\$2.10 / kg	17.11.2016
FOB Alexandria Port	US\$ 2200 / MT (T.B.C.; fairtrade & organic; Qty: 14 MT 40' FCL)	\$2.20 / kg	17.11.2016
<b>INDIAN FRANKINCENSE EXUDATE</b>			
Botanical name: <i>Boswellia serrata</i> Sanskrit: Kunduru, Sallaki Pharmacopoeial names: Gummi-resina Boswelliae Serratae; Olibanum			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) fever; b) excessive vaginal discharge; c) asthma; d) conjunctivitis; e) discharging of gravelly or sandy urine; f) pain due to ulcer; g) disease of mouth.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Amritsar, Punjab	225 INR / kg	\$3.27248 / kg	October 2016
<b>ISPAGHULA HUSK</b>			
Botanical name: <i>Plantago ovata</i> Pharmacopoeial name: Plantaginis Ovatae Seminis Tegumentum			
<b>Medicinal uses:</b>	<b>Well-established uses:</b> a) for the treatment of habitual constipation; b) for conditions in which easy defecation with soft stool is desirable, e.g. in cases of painful defecation after rectal or anal surgery, anal fissures and haemorrhoids; and c) in patients to whom an increased daily fibre intake may be advisable e.g. as an adjuvant in constipation predominant irritable		

	bowel syndrome, as an adjuvant to diet in hypercholesterolemia.		
MARKET	PRICE	CONVERTED TO US\$ / kg	DATE OF PRICE
Jaipur, Rajasthan	500 INR / kg	\$7.27217 / kg	October 2016
FOB Mumbai Port, MH	US\$ 7200 / MT (Grade: 95% Pure; Qty: 9 MT / 20' FCL)	\$7.20 / kg	21.11.2016
FOB Mumbai Port, MH	US\$ 8750 / MT (Grade: 99% Pure; Qty: 9 MT / 20' FCL)	\$8.75 / kg	21.11.2016
ISPAGHULA SEED			
Botanical name: <i>Plantago ovata</i> Sanskrit: Sat isabgola, Isabgola Pharmacopoeial name: Plantaginis Ovatae Semen			
<b>Medicinal uses:</b>	<b>Well-established uses:</b> a) for the treatment of habitual constipation; and b) for conditions in which easy defecation with soft stool is desirable, e.g. in cases of painful defecation after rectal or anal surgery, anal fissures and haemorrhoids.		
MARKET	PRICE	CONVERTED TO US\$ / kg	DATE OF PRICE
Unjha, Gujarat	10555~11285 INR / quintal (= 100 kg); Modal price: 11050 INR / quintal	\$1.53416~\$1.64029 / kg (Modal price: \$1.60613/ kg)	24.11.2016
JATAMANSI ROOT AND RHIZOME			
Botanical name: <i>Nardostachys jatamansi</i> Chinese: gan song (甘松) / Nepalese: Jatamansi / Sanskrit: Jatamansi Pharmacopoeial name: Nardostachyos Radix et Rhizoma			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) diseases of skin; b) erysipelas (bacterial skin infection); c) burning sensation; d) mental disorders; e) insomnia.		
	<b>Traditional Chinese Medicine:</b> a) (oral) epigastric and abdominal distension with anorexia and vomiting; b) (external) for toothache and swelling of the foot.		
MARKET	PRICE	CONVERTED TO US\$ / kg	DATE OF PRICE
Amritsar, Punjab	925 INR / kg	\$13.4535 / kg	October 2016
Chengdu, Sichuan	40.00 CNY / kg (wild-collected Sichuan)	\$5.78578 / kg	24.11.2016
Nepalgunj, Nepal	700.00 NPR / kg (wild-collected Nepal)	\$6.40439 / kg	October 2016
LIQUORICE ROOT			
Botanical name(s): <i>Glycyrrhiza uralensis</i> , <i>G. inflata</i> , or <i>G. glabra</i> Chinese: gan cao (甘草) / Sanskrit: Yasti Pharmacopoeial name: Glycyrrhizae Radix et Rhizoma			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) cough; b) hoarseness of voice; c) phthisis (any wasting or atrophic disease, weakness, diseases due to <i>vata dosha</i> ); d) ulcer; and e) gout.		
	<b>Traditional Chinese Medicine:</b> a) weakness of the spleen and the stomach marked by lassitude and weakness; b) cardiac palpitation and shortness of breath; c) cough with much phlegm; d) spasmodic pain in the		

	epigastrium, abdomen and limbs; e) carbuncles and sores; and f) often added to formulas to reduce drastic or toxic effects of other drugs.		
	<b>Traditional European Medicine:</b> a) for the relief of digestive symptoms including burning sensation and dyspepsia; and b) used as an expectorant in cough associated with cold.		
MARKET	PRICE	CONVERTED TO US\$ / kg	DATE OF PRICE
Amritsar, Punjab	140 INR / kg	\$2.03620 / kg	October 2016
FOB Mumbai Port, MH	US\$ 3300 / MT (yellowish slice; 10 MT)	\$3.30 / kg	21.11.2016
Chengdu, Sichuan	9.50 CNY / kg (wild-collected Xinjiang)	\$1.37414 / kg	24.11.2016
Bozhou, Anhui	8.00 CNY / kg (wild-collected Inner Mongolia)	\$1.15731 / kg	24.11.2016
MAHUA FLOWER			
Botanical name: <i>Madhuca indica</i> (Syn.: <i>M. latifolia</i> ) Hindi: Mahuwa / Sanskrit: Gudapushpa Pharmacopoeial name: Madhucae Flos			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) asthma; b) burning sensation; c) wound; d) phthisis (wasting disease); e) thirst; f) fatigue, lethargy.		
MARKET	PRICE	CONVERTED TO US\$ / kg	DATE OF PRICE
Lohardaga, Jharkhand	4600~5000 INR/ quintal (Modal price: 4800 INR / quintal; wild-collected)	\$0.669033~\$0.727210 / kg (Modal price: \$0.698122 / kg)	24.11.2016
MOLOKHIA LEAF			
Botanical name: <i>Corchorus olitorius</i> Arabic: Mulukhiyah (ملوخية) Pharmacopoeial name: Corchori Olitorius Folium			
<b>Medicinal uses:</b>	<b>Traditional Egyptian Medicine:</b> a) chronic cystitis (inflammation of the urinary bladder); b) dysuria (painful urination); c) gonorrhoea; d) fever		
MARKET	PRICE	CONVERTED TO US\$ / kg	DATE OF PRICE
FOB Alexandria Port	US\$ 2400 / MT (leaves; conventional; Qty: 3.5 MT 40' FCL)	\$2.40 / kg	17.11.2016
FOB Alexandria Port	US\$ 2500 / MT (large cut; fairtrade & organic; Qty: 3.5 MT 40' FCL)	\$2.50 / kg	17.11.2016
NIGELLA SEED			
Botanical name: <i>Nigella sativa</i> Arabic: حبة السوداء / Hindi: Kalaunji / Sanskrit: Upakuncika Pharmacopoeial name: Nigellae Semen			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) abdominal lump; b) flatulence; c) diarrhoea; d) worm infestation.		
MARKET	PRICE	CONVERTED TO US\$ / kg	DATE OF PRICE
FOB Mumbai Port	US\$ \$2258~2750 / MT (Sortex; Qty: 13-18 MT)	\$2.258~\$2.750 / kg	October 2016
FOB Alexandria Port	US\$ 2900 / MT (Grade: 99%; conventional; Qty:	\$2.90 / kg	17.11.2016



	25 MT 40' FCL)		
FOB Alexandria Port	US\$ 3000 / MT (Grade: 99%; fairtrade & organic; 25 MT 40' FCL)	\$3.00 / kg	17.11.2016
<b>PEPPERMINT LEAF</b>			
Botanical name: <i>Mentha x piperita</i> Pharmacopoeial name: Menthae Piperitae Folium			
<b>Medicinal uses:</b>	<b>Traditional European Medicine:</b> for the symptomatic relief of digestive disorders such as dyspepsia and flatulence.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
FOB Alexandria Port	US\$ 2900 / MT (large cut; conventional; Qty: 10 MT 40' FCL)	\$2.90 / kg	17.11.2016
FOB Alexandria Port	US\$ 3000 / MT (large cut; fairtrade & organic; Qty: 10 MT 40' FCL)	\$3.00 / kg	17.11.2016
<b>RHUBARB ROOT, CHINESE</b>			
Botanical name(s): <i>Rheum palmatum</i> , <i>R. tanguticum</i> , or <i>R. officinale</i> Chinese: Da huang (大黄) / Tibetan: lCum-rtsa (ལུམ་རྩ་སྐྱོ་རྩ་) Pharmacopoeial name: Rhei Radix et Rhizoma			
<b>Medicinal uses:</b>	<b>Traditional Chinese Medicine:</b> accumulation, stagnation and constipation caused by <i>excess heat</i> , hematemesis (vomiting blood) caused by <i>blood heat</i> , red eyes and swollen throat, swelling abscess, deep-rooted boil and sore, abdominal pain caused by intestinal abscess, blood-stasis amenorrhea (absence of menstruation), postpartum stasis and obstruction, injuries from falls and fights, <i>dampness-heat</i> dysentery, jaundice and red urine, stranguria (slow, painful urination), edema. <b>Well-established use in European Medicine:</b> for short-term use in cases of occasional constipation.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Chengdu, Sichuan	21.00 CNY / kg (wild-collected Sichuan)	\$3.03731 / kg	24.11.2016
<b>RHUBARB ROOT, HIMALAYAN</b>			
Botanical name: <i>Rheum australe</i> (syn.: <i>R. emodi</i> ) Indian trade name: Revandchini / Nepali: Padamchaal Pharmacopoeial name: Rhei Rhizoma			
<b>Medicinal uses:</b>	<b>Traditional Nepali Medicine:</b> used as a laxative (for constipation), anthelmintic (to expel parasitic worms), and to treat infection, sore throat, skin disease, gastritis, liver disease, gout, pregnancy-induced hypertension.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Amritsar, Punjab	100 INR / kg	\$1.45443 / kg	October 2016
Nepalgunj, Nepal	95 NPR / kg (wild-collected Nepal)	\$0.869167 / kg	October 2016
<b>ROSEMARY LEAF</b>			
Botanical name: <i>Rosmarinus officinalis</i> Arabic: Ikleel al-Jabal (إكليل الجبل) / French: Feuille de Romarin Pharmacopoeial name: Rosmarini Folium			

<b>Medicinal uses:</b>	<b>Traditional European Medicine:</b> a) (oral use): for symptomatic relief of dyspepsia and mild spasmodic disorders of the gastrointestinal tract; b) (bath additive) as an adjuvant in the relief of minor muscular and articular pain and in minor peripheral circulatory disorders.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
FOB Alexandria Port	US\$ 1900 / MT (crushed; conventional; Qty: 12 MT 40' FCL)	\$1.90 / kg	17.11.2016
FOB Alexandria Port	US\$ 2000 / MT (crushed; fairtrade & organic; 12 MT 40' FCL)	\$2.00 / kg	17.11.2016
FOB Mumbai Port, MH	US\$ 2800 / MT (clean; 10 MT)	\$2.80 / kg	21.11.2016
<b>SCHISANDRA FRUIT - NORTHERN</b>			
Botanical name: <i>Schisandra chinensis</i> Chinese: Beiwuweizi (北五味子) Pharmacopoeial name: Schisandrae Chinensis Fructus			
<b>Medicinal uses:</b>	<b>Traditional Chinese Medicine:</b> a) chronic cough and dyspnoea of deficiency type; b) dream emission and spermatorrhoea; c) enuresis and frequent urination; d) chronic diarrhoea; e) spontaneous sweating and night sweating; f) thirst caused by fluid consumption; g) interior heat-wasting thirst; h) palpitation and insomnia.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Chengdu, Sichuan	140.00 CNY / kg (Liaoning origin)	\$20.2517 / kg	24.11.2016
<b>SCHISANDRA FRUIT - SOUTHERN</b>			
Botanical name: <i>Schisandra sphenanthera</i> Chinese name: Nanwuweizi (南五味子) Pharmacopoeial name: Schisandrae Sphenantherae Fructus			
<b>Medicinal uses:</b>	<b>Traditional Chinese Medicine:</b> a) chronic cough and dyspnoea of deficiency type; b) dream emission and spermatorrhoea; c) enuresis and frequent urination; d) chronic diarrhoea; e) spontaneous sweating and night sweating; f) thirst caused by fluid consumption; g) interior heat-wasting thirst; h) palpitation and insomnia.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Chengdu, Sichuan	25.40 CNY / kg (wild collected)	\$3.67573 / kg	24.11.2016
<b>SENNA LEAF</b>			
Botanical name: <i>Cassia angustifolia</i> Arabic: sanā (سنامیکی أوراق) / Chinese: fan xie yi (番瀉葉 or 番泻叶) / Sanskrit: svarnapatri Pharmacopoeial name: Sennae Angustifoliae Folium			
<b>Medicinal uses:</b>	<b>Well-established uses:</b> a) for short-term use in cases of occasional constipation.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Jaipur, Rajasthan	35 INR / kg (cultivated)	\$0.509052 / kg	October 2016
FOB Mumbai Port, MH	US\$ 615 / MT (Indian origin; Prime 3; Qty: 26 MT 40' FCL)	\$0.615 / kg	17.11.2016

Bozhou, Anhui	5.80 CNY / kg (imported)	\$0.838953 / kg	24.11.2016
<b>SENNA POD</b>			
Botanical name: <i>Cassia angustifolia</i> Arabic: قرن - جراب سنمىكى Pharmacopoeial name: Sennae Angustifoliae Fructus			
<b>Medicinal uses:</b>	<b>Well-established uses:</b> a) for short-term use in cases of occasional constipation.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
FOB Mumbai Port, MH	US\$ 1495 / MT (Qty: 26 MT 40' FCL)	\$1.495 / kg	17.11.2016
<b>SHATAVARI ROOT</b>			
Botanical name: <i>Asparagus racemosus</i> Nepalese name: Satawari (Kurilo) / Sanskrit name: Satavari Pharmacopoeial name: Asparagi Racemosus Radix			
<b>Medicinal uses:</b>	<p><b>Traditional Ayurvedic Medicine:</b> a) hyperacidity; b) piles; c) diarrhoea; d) abdominal lump; e) phthisis (any wasting or atrophic disease); f) diarrhoea with blood; g) bleeding disorder; h) disorders of blood i) gout; j) erysipelas (bacterial skin infection); k) inflammation; l) duodenal ulcer; m) urinary disorders; n) hoarseness of voice; o) night blindness; p) puerperal disease; q) vitiation of breast milk; r) insufficient lactation.</p> <p><b>Traditional Unani Medicine:</b> a) diarrhoea; b) spermatorrhoea; c) excessive nocturnal emission; d) leucorrhoea; e) premature ejaculation; f) dysentery.</p>		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Neemuch, Madhya Pradesh	165 INR / kg	\$2.39981 / kg	October 2016
Nepalgunj, Nepal	375 NPR / kg (wild-collected, Nepal)	\$3.43092 / kg	October 2016
<b>SICKLE-POD SENNA SEED</b>			
Botanical name: <i>Cassia tora</i> Chinese name: jue ming zi (决明子) / Sanskrit name: prapunnada Pharmacopoeial name: Cassiae semen			
<b>Medicinal uses:</b>	<p><b>Traditional Ayurvedic Medicine:</b> a) skin diseases; b) disorders due to ulcers; c) taeniasis (tapeworms); d) hemiplegia (paralysis); e) constipation; f) abdominal lump; g) helminthiasis (worm infestation); h) eczema; i) itching; j) asthma; k) cough.</p> <p><b>Traditional Chinese Medicine:</b> a) inflammation of the eye with pain; b) photophobia (eye discomfort in bright light) and lacrimation (abnormal secretion of tears); c) headache; d) dizziness; e) blurred vision; f) constipation.</p>		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
FOB Mumbai Port Maharashtra	US\$ 520 / MT (Grade: Medium Bold; Qty: 24 MT / 40' FCL)	\$0.52 / kg	21.11.2016
Chengdu, Sichuan	5.50 CNY / kg (Origin: imported)	\$0.795520 / kg	24.11.2016
<b>ZEDOARY RHIZOME</b>			
Botanical name(s): <i>Curcuma zedoaria</i> ; <i>C. phaeocaulis</i> , <i>C. kwangsiensis</i> , <i>C. aromatica</i> (syn. <i>C. wenyujin</i> ); Chinese name: e zhu (莪术) / Sanskrit name: karcura			

Pharmacopoeial name: <i>Curcumae rhizoma</i>			
<b>Medicinal uses:</b>	<b>Traditional Ayurvedic Medicine:</b> a) piles; b) hiccup; c) fever; d) cough; e) helminthiasis / worm infestation; f) skin diseases; g) asthma; h) abdominal lump; i) splenic disease; j) goiter.		
	<b>Traditional Chinese Medicine:</b> a) mass in the abdomen; b) amenorrhea due to <i>blood stasis</i> ; c) distension and pain due to stagnation of undigested food; d) carcinoma of cervix at early stage.		
<b>MARKET</b>	<b>PRICE</b>	<b>CONVERTED TO US\$ / kg</b>	<b>DATE OF PRICE</b>
Chengdu, Sichuan	13.00 CNY / kg (Guangxi origin)	\$1.88015 / kg	24.11.2016
FOB Mumbai Port, MH	US\$ 5200 / MT ( <i>Curcuma aromatica</i> ; slices; Qty.: 12 MT)	\$5.20 / kg	21.11.2016

### Price Sources

#### **China:**

- 🌐 Chengdu Traditional Chinese Medicine Price Index: <http://www.ysindex.com>
- 🌐 Chinese Medicinal Herb E-Commerce Office: <http://www.zyctd.com/> and <http://www.zyccst.com/>

#### **Egypt:**

- 🌐 Private companies

#### **India:**

- 🌐 Agmarknet, Directorate of Marketing & Inspection (DMI), Ministry of Agriculture, Government of India: <http://agmarknet.nic.in/arrivals1.htm>
- 🌐 National Medicinal Plants Board (NMPD) Mandi Price List, prepared by Federation of Medicinal and Aromatic Plants Stakeholders (FEDMAPS): <http://nmpb.nic.in/>
- 🌐 National Multi-Commodity Exchange of India Ltd. (NMCE): <http://www.nmce.com/marketdata/SpotPricelInfo.aspx>
- 🌐 Private companies

#### **Nepal:**

- 🌐 Asia Network for Sustainable Agriculture and Bioresources: <http://www.ansab.org/>

#### **USA:**

- 🌐 Private companies