

Analysis of the Chemical Composition Of Irena

Royal Jelly				
Contains		Minerals / Trace Elements	Vitamins	mg/100g
Carbohydrates	15%	Arsenic	Folic Acid	0.2
Mineral Matter	2%	Bismuth	Inositol	80-150
Nitrogen	50%	Cobalt	Vitamin B1 (thiamine)	1.2 - 7.4
Phosphorus	0.70%	Chromium	Vitamin B2 (riboflavin)	5.2 - 10
Sulphur	0.40%	Gold	Vitamin B3 (niacin)	60-150
Water	24%	Iron	Vitamin B6 (pyroxidine)	2.2-10.2
		Manganese	Vitamin B12 (cyanocobalamin)	
		Mercury	Vitamin C (ascorbic acid)	12
		Nickel	Vitamin B5	65-200
		Silicon	Vitamin H (biotin)	0.9 - 3.70

Korean Ginseng			
Amino Acids	Minerals	Vitamins	Other trace elements
Alanine & phenylalanine	Magnesium	Vitamin B1 (thiamine)	Choline
Arginine	Arsenic	Vitamin B2 (riboflavin)	Phytosterols
Aspartic Acid	Iron	Vitamin B3 (niacin)	Nucleic Acid
Citulline	Manganese	Vitamin B6 (pyroxidine)	Oestrogen
Glutamic Acid	Aluminium	Vitamin B12 (cyanocobalamin)	
Glycine	Phosphorous	Vitamin C (ascorbic acid)	
Histidine	Calcium	Vitamin B5	
Leucine & iso-leucine	Cobalt	Vitamin E	
Lysine, Methionine	Copper	Vitamin H (biotin)	
Proline	Potassium		
Taurine	Zinc		
Tyrosine	Silica		
Serine	Germanium		
Valine	Vanadium		

Echinacea
Contains
Acetylines
Alkaloids
Alkylamides
Caffeic acid derivatives
Cichoric acid derivatives
Fatty acids - linoleic, oleic, cerotic, palmatic
Flavonoids
Glycoproteins
Glycoside (echinacoside)
Hydrocarbons
Polysaccharids
Polyacetylene
Resin

Serenoa Serrulata / Saw Palmetto
Contains
Resins
Steroidal saponins
Tannins
Vitamin A

Damiana
Contains
Alkaloids
Amorphous bitter (damiana)
Cyangenic glycoside
Flavonoid
Resins
Tannins
Volatile Oil, alpha and beta pinene, cineol, arbutin & cymene

Capsicum Minimum
Contains
Alkaloids
Capsicum
Carotene pigment
Flavonoids
Vitamin C (ascorbic acid)
Volatile oil

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Royal Jelly						
Contains	Carbohydrates	Minerals/ Trace elements	Minor components	mg/100g	Lipids	Amino Acids
Carbohydrates	Glucose	Arsenic	Acetyl choline	10	10-hydroxy-2-decanoic acid	Alanine
Mineral matter	Fructose	Bismuth	Folic Acid	0.2	10-hydroxydecanoic acid	Phenylalanine
Nitrogen	Sucrose	Cobalt	Inositol	80-150		Arginine
Phosphorous	Trisaccharides	Chromium	Insulin	trace		Aspartic acid
Sulphur		Gold	Pantothenic Acid	6.5-20		Citulline
Water		Iron	Testosterone	1		Glutamic acid
		Manganese	Vitamin B1 (thiamine)	1.2-7.4		Glycine
		Mercury	Vitamin B2 (riboflavin)	5.2-10		Histidine
		Nickel	Vitamin B3 (nicotinamide)	60-150		Leucine
		Potassium	Vitamin B6 (pyridoxine)	2.2-10.2		Isoleucine
		Silicon	Vitamin B12 (cyanocobalamin)	0.15		Proline
		Sodium	Vitamin C (ascorbic acid)	12		Taurine & Threonine
			Vitamin B5 (pantothenic acid)	65-200		Tyrosine
			Vitamin H (biotin)	.9-3.7		Serine
						Valine
						Lysine
						Methionine

Korean Ginseng							
Amino acids	Ginsenosides	Acetylenic Compounds	Panaxans	Sequiterpenes	Trace elements	Vitamins	Other trace elements
Alanine	Protopanaxadiol	Panaxtriol	Glucopyranose	elemene	Aluminium	Vitamin B1 (thiamine)	Choline
Phenylalanine	Rb1	Panaxdol	Peptides	Acetylenes	Arsenic	Vitamin B2 (riboflavin)	Estriol
Arginine	Rb2	Gisenoynes		Starch	Calcium	Vitamin B3 (nicotinamide)	Nucleic Acid
Aspartic acid	Rc	Panaxynol		Pectin	Cobalt	Vitamin B6 (pyridoxine)	Phytosterols
Citulline	Rd				Copper	Vitamin B12 (cyanocobalamin)	
Glutamic acid	Protopanaxatriol				Germanium	Vitamin C (ascorbic acid)	
Glycine	Rf				Iron	Vitamin B5 (pantothenic acid)	
Histidine	Rg1				Magnesium	Vitamin H (biotin)	
Leucine and isoleucine	Rg2				Manganese		
Lysine and Methionine	Rh1				Phosphorous		
Proline					Potassium		
Taurine					Silica		
Tyrosine					Vanadium		
Serine					Zinc		
Valine							