



# Ingredients

5 pounds meaty beef shanks cut into 2-inch pieces
2 large carrots cut into 2-inch lengths
2 rib celery cut into 2-inch lengths
1 large onion quartered
3 servings sea salt
1 teaspoon vegetable oil
1 quarts water

## **Equipment**

PROTEIN 65.57% FAT 28.32% CARBS 6.11%		
Nutrition Facts		
	Make Ahead: The stock can be refrigerated for 1 week or frozen for up to 2 months.	
	Strain the stock through a fine sieve set over a heatproof bowl. Refrigerate until cold, scrape off the fat and discard. Before using, boil the stock until reduced to 6 cups.	
	Pour the pan juices into the stockpot along with the remaining 3 cups and 3 quarts of water and simmer over moderately high heat for 30 minutes, skimming occasionally. Reduce the heat to moderately low, cover partially and simmer until the stock is richly flavored and reduced to 2 quarts, about 4 hours. Season with salt.	
	Scrape the meat, bones and vegetables into a stockpot. Set the roasting pan over high heat and add 1 cup of the water. Cook, scraping up the browned bits, until the pan is clean.	
	Add the carrots, celery and onion and roast for about 30 minutes longer, or until the vegetables are lightly browned.	
	Transfer the pan to the oven and roast for 45 minutes, or until the meat and bones are browned.	
	Add the beef shanks and cook over moderate heat until sizzling and lightly browned on 1 side, about 5 minutes.	
	Heat the oil in a large roasting pan set over 2 burners.	
	Preheat the oven to 45	
Directions		
	roasting pan	
	sieve	
	pot	
	oven	
	frying pan	
	bowl	

## **Properties**

#### **Flavonoids**

Apigenin: 0.02mg, Apigenin: 0.02mg, Apigenin: 0.02mg, Apigenin: 0.02mg Luteolin: 0.07mg, Luteolin: 0.07mg, Luteolin: 0.07mg, Luteolin: 0.07mg, Luteolin: 0.07mg Isorhamnetin: 2.51mg, Isorhamnetin: 2.51mg, Isorhamnetin: 2.51mg, Isorhamnetin: 2.51mg Kaempferol: 0.44mg, Kaempferol: 0.44mg, Kaempferol: 0.44mg, Kaempferol: 0.44mg, Kaempferol: 0.44mg, Kaempferol: 0.03mg, Myricetin: 0.03mg, Myricetin: 0.03mg, Myricetin: 0.03mg, Myricetin: 10.25mg, Quercetin: 10.25mg, Quercetin: 10.25mg

### Nutrients (% of daily need)

Calories: 633.63kcal (31.68%), Fat: 19.13g (29.43%), Saturated Fat: 6.07g (37.95%), Carbohydrates: 9.29g (3.1%), Net Carbohydrates: 7.08g (2.58%), Sugar: 4.4g (4.89%), Cholesterol: 176.9mg (58.97%), Sodium: 578.3mg (25.14%), Alcohol: Og (100%), Alcohol %: 0% (100%), Protein: 99.66g (199.31%), Vitamin B12: 15.1µg (251.74%), Zinc: 31.81mg (212.05%), Vitamin A: 8022.87IU (160.46%), Vitamin B3: 26.57mg (132.84%), Selenium: 80.59µg (115.12%), Vitamin B6: 2.26mg (112.93%), Phosphorus: 956.79mg (95.68%), Vitamin B2: 1.04mg (61.15%), Iron: 10.78mg (59.86%), Potassium: 1983.78mg (56.68%), Vitamin B1: 0.51mg (33.89%), Copper: 0.57mg (28.27%), Magnesium: 86.96mg (21.74%), Vitamin B5: 1.78mg (17.82%), Calcium: 156.3mg (15.63%), Folate: 55.15µg (13.79%), Manganese: 0.2mg (9.89%), Vitamin K: 9.49µg (9.04%), Fiber: 2.2g (8.82%), Vitamin C: 6.55mg (7.94%), Vitamin E: 0.45mg (3.01%)