



Investigation on Nutritional Value of *Amygdalus wendelboi*; wild Almond specie from South of Iran

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Abstract: Iran is one of the centers of *Amygdalus* genus origins. *Amygdalus wendelboi* is the endemic specie distributed just in south of Iran. The fruits locally called “Archen”, has a wide application in folk medicine to treat cold, cough, headache and skin burns. It is locally used as an edible kernel by people. Literature survey revealed that no investigation has been done on this species by now.

A. wendelboi fruit was collected in June 2013 from Sirmand Mountains near Hadji-Abad County, Hormozgan Province. The samples were analyzed by wet digestion method by Atomic Absorption Spectrophotometer in Research Laboratory in Pharmaceutical Sciences Branch, Islamic Azad University.

Obviously the amount of the mineral element contents is high in comparison by other almond kernels studied in other countries. *A. wendelboi* kernel has high moisture content and the value of sodium; magnesium and calcium in *A. wendelboi* were 10.26, 24.6 and 60.43 mg/100g DW respectively.

A. wendelboi is locally used as an edible kernel by people and it is so rich in mineral elements ,especially Calcium therefore It could be recommended as a dietary supplement for people especially children and women who need Calcium and Magnesium .

Keyword: *Amygdalus wendelboi*, mineral elements, Hormozgan, edible kernel.