SUMARY

In Ecuador one of the most principal andina plants are the tuber and roots, this constitute a basic component on the regular diet. Not only to people from interandina region it helps also to people from literal and amazonia.

The principal objective of this work is to determine some characteristics and properties of the with carrot (*Arracacia xanthorrhiza* Bancroft) this come from San Josè de Minas zone of Pichincha we have realized an analysis about the root: physic and chemistry properties.

To the physic determination we have taken 30 specimens with 3 repetitions and to the determination of the chemistry composition we have taken 3 specimens and 3 repetitions.
In physic and chemistry category of the white carrot we have taken like variables of analysis about size, shape, volumen, weigth, color, water contents, ashes, protein, fiber, total sugar, reducer sugar, vitamin A, vitamin C, iron, phosphorus, sodium, calcium, shell percentage, comestible percentage, density, total solid, the same ones who has been improving at the laboratory of the University Tecnica del Norte and the Superior school Politecnica of Chimborazo.
In physical trial realized the most importants are: longitude 15, 47 cm and weight 340,53 g

In chemistry trials are: vitamin C 72, 43 mg, Calcium 53, 35 mg/100g, phosphorus 48, 89 mg/100g, Potassium 2185, 33 mg/kg, and Sodium 56, 23 mg/100g.

With this work material about physic and chemistry property of white carrot except some publication, pam phet and web sides, this work is a good alternative as consult side and base to future investigation.

In the white carrot case we are looking for give to the consumer a product related to the proteins and with less price, helping rules of quality we can give the necessary confidence to the consumer, so we should open some new market it would let us to have a good competition and then we can contribute to the growth socio economic of this country.