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Development of HHS Technology.

II : New Method for Coffee Treatment by High temperature and High pressure Steam

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We have been developing industrial applications of high temperature and high pressure steam (HHS). The coffee beans were hydrolyzed and reacted by water molecule and hydrogen ion under HHS condition around 200°C. By this method, several kinds of aromatic compounds and oligosaccharide were generated into coffee beans in a few minutes. In this presentation, we conducted roasting trials and brewing trials using HHS treated-coffee we developed. This treatment gives a great advantage of development for new type coffee bean and coffee-beverage.