

Title Non-destructive determination of soluble solids in papayas using near infrared spectroscopy
Author D.C. Slaughter, C.G. Cavaletto, L.D. Gautz and R.E. Paull
Citation J. Near Infrared Spectrosc. 7, 223-228 (1999)
Keywords: non-destructive; near infrared spectroscopy; soluble solids; papayas

Abstract

A non-destructive optical method for determining the soluble solids content of fresh whole papayas (*Carica papaya* L.) “Kapoho Solo” was investigated. The method, based upon near infrared spectrophometric techniques, could predict the soluble solids content of papayas ($r^2 = 0.84$, $SEC = 1.1^\circ\text{Brix}$, $SEP = 1.1^\circ\text{Brix}$).