Abstract

The effects of time and temperature over the color of freshly brewed Indian tea liquor using spectrophotometer were evaluated. The study suggests that after brewing, the tea samples undergo a color change which was measured in CIE L*a*b* color model. To find out the temperature effects, the experiment was done under two conditions i.e. normal cooling and
imposed cooling of the sample to room temperature immediately after brewing. Change in the
color was found less prominent in the latter case and it is concluded that the color changes
rapidly after brewing and can pose difficulty in quality assessment of tea samples by tea tasters
during visual inspection, if time and temperature are not taken into account

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Index Terms

Computer Science

Pattern Recognition

Key words

Brewed tea liquor  
Time  
Temperature  
CIE L*a*b* color

model

Tea quality
Influence on Color Attributes of Freshly Brewed Tea with Time due to Variations in Temperature Conditions