The packaging contributes to the final quality of the juice since it has the function to protect the product from external contamination and extend the shelf life of the food. This work aimed to evaluate the acceptance of flavor and global impression and purchase intention of the sweetened tropical cashew apple juice produced by the hot fill process packed in glasses and polyethylene terephthalate (PET) packages stored during 120 days at 28 °C. An evaluation of the acceptance of flavor and overall impression was performed, using the hedonic scale test ranging from like extremely to dislike extremely, and purchase intent, using hedonic scale test of 5 points ranging definitely would buy to definitely would not buy; with 56 adult volunteer consumers. The mean values of the attribute flavor and overall impression were constant during storage for packaging in glass, with positive values on the –hedonic scale between “like moderately” and “liked much”. However, for the samples packaged in PET bottles, there was a decrease in average during the storage period, ranging between “neither liked nor disliked” to “liked much” and for overall impression ranging between “like slightly” to “liked much”. At the end of the experiment it could be verified that the juices packed in glass bottles remained stable in acceptance in terms of flavor, global impression and purchase intention, and it could be observed that juice in glass bottles had greater acceptance when compared to juice packed in PET, the acceptance of which decreased with storage time.