

EFFECT OF SOURCE AND STORAGE ON PROTEOLYTIC ACTIVITY OF SHRIKHAND

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ABSTRACT : The ten treatment combinations of Shrikhand samples i.e. five sources (C_1S_1 - Akola OSM, C_1S_2 -Akola vendor, C_2S_1 - Amravati OSM, C_2S_2 - Amravati vendor and LS_3 - laboratory) and two temperatures i.e. room ($30\pm 2^\circ\text{C}$)- T_1 and refrigeration temperature ($5\pm 1^\circ\text{C}$)- T_2 were studied for proteolytic changes in five replicates. The samples stored at T_1 were analyzed daily till it get spoiled viz, for period of 5 days, while samples at T_2 were analyzed at an interval of 7 days, till 35 days when it got spoiled. The changes in protein content of Shrikhand were not influenced significantly by the interaction between source and storage interval. As a result, significantly highest protein content was noticed in Akola OSM and laboratory Shrikhand as compared to rest of samples over 5 days storage irrespective of storage temperature. The protein content showed a gradual decrease with the progress of storage period.

Key Words : Source, storage, proteolytic activity, shrikhand.