

## ABSTRACT

The temperature, velocity and humidity were measured during the evaporation of thin layers of liquid from a thin plastic sheet moving vertically through a channel. The heat and mass transfer coefficients were evaluated from their defining equations, and were found to be much larger than those predicted from literature. The overall balance for mass and energy flow in the system was good. The high values of  $h$  and  $k$  were attributed to high turbulence intensities in the flow and possibly to jet impingement.

HEAT AND MASS TRANSFER DURING EVAPORATION OF  
THIN LAYERS OF LIQUID IN A CHANNEL

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CERTIFICATE OF APPROVAL OF THESIS

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