

Oat SILK

DATA PACK

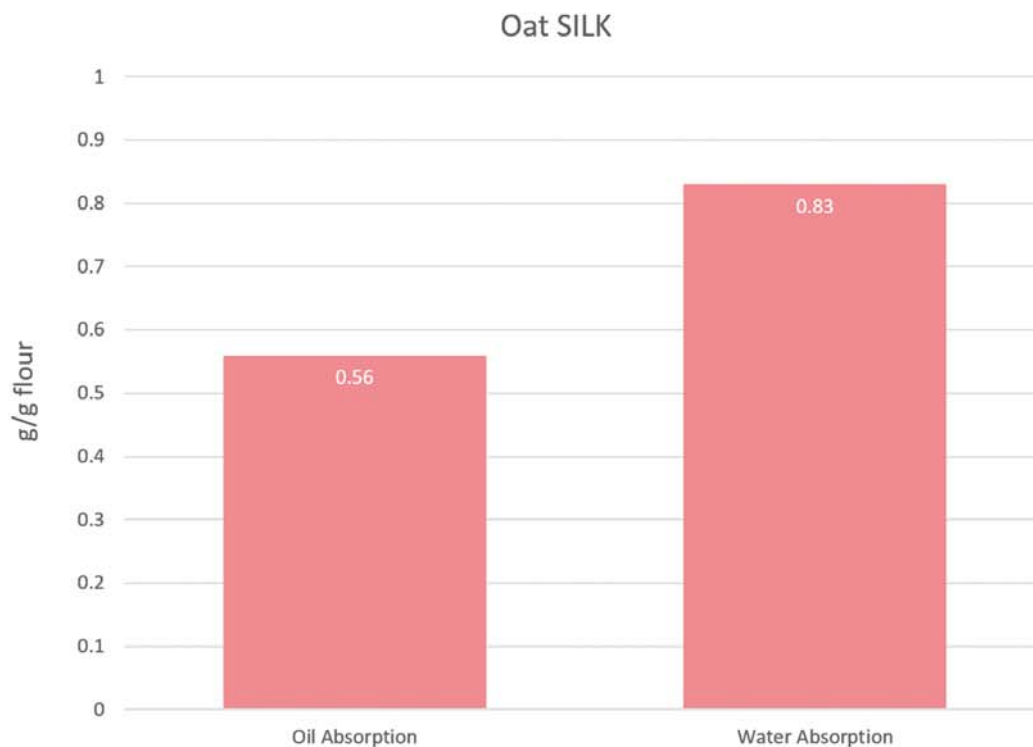


OIL ABSORPTION

Oil absorption capacity was determined by dispersing 100 g of Oat SILK in Rapeseed oil and centrifuging the mixture at low speed. The oil absorption capacity is defined as the amount of oil retained per solid (Lin et al., 1974).

WATER ABSORPTION

Water absorption capacity was expressed as water binding capacity (AACC 56-30.01). Using this method, 100 g of Oat SILK was mixed with water and centrifuged at low speed. The water binding capacity is defined as the amount of water retained per solid.



RESULTS

One gram of Oat SILK will absorb 0.56 g of oil or 0.83 g of water.

The higher water absorption capacity of Oat SILK can be speculated to be the result of it containing a large proportion of water-absorbing fine particles. These particles are likely to contain fibres that bind water efficiently.