

Corn (Waxilys®)

Name

Name : Corn (Waxilys®)

French name : Maïs (Waxilys®)

Source

Organe : seed

Sample Origin : Roquette Frères (Lestrem, France)

Morphology

Size 10-50 µm

Shape : polyhedral

Structure

Allomorph : A

Fraction of allomorph A : 100%

Composition

Fraction of amylose : 1%

Fraction of amylopectin : 99%

Waxy : yes

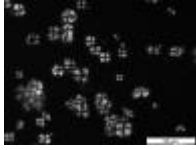
References

Bibliography : The Structure of Waxy Corn Starch: Effect of granule size.

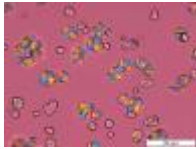
Célia M.L. Franco, Sao José do Rio Preto, César F. Ciacco, and Débora Q.
50-5 (1998), 193-198.

Starch presentation

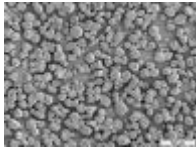
Image(s)



Optical micrograph (OM)



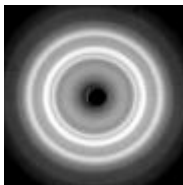
Optical micrograph (OM)



Scanning electron microscopy (SEM) image



Scanning electron microscopy (SEM) image



X-ray diffraction (XRD) pattern