

Sweet potato (white)

Name

Name : Sweet potato (white)

Latin name : Ipomoea batatas

French name : Patate douce (blanche)

Source

Organe : tuber

Sample Origin : Tang Frères

Morphology

Size <10 μm & 10-50 μm

Shape : spherical & polyhedral & hemispherical

Structure

Allomorph : C

Fraction of allomorph A : 80%

Fraction of allomorph B : 20%

Crystallinity index : 45%

Composition

Waxy : no

Thermal properties

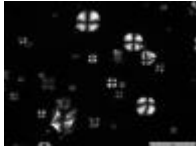
Melting temperature : 73.8 $^{\circ}\text{C}$

Melting interval : 29.8 $^{\circ}\text{C}$

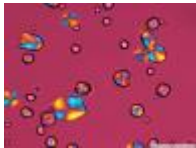
Melting enthalpy : -16.4J/g

References

Image(s)



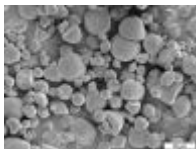
Optical micrograph (OM)



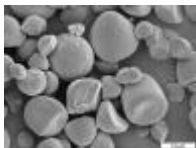
Optical micrograph (OM)



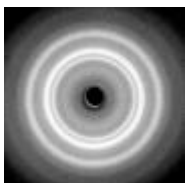
Scanning electron microscopy (SEM) image



Scanning electron microscopy (SEM) image

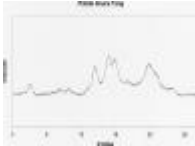


Scanning electron microscopy (SEM) image



Starch presentation

X-ray diffraction (XRD) pattern



X-ray diffraction (XRD) profile