

Arrow root

Name

Name : Arrow root

French name : Arrow root

Source

Organe : tuber

Sample Origin : Brasil

Morphology

Size 10-50 μm

Shape : spherical & hemispherical

Structure

Allomorph : C

Fraction of allomorph A : 86%

Fraction of allomorph B : 14%

Crystallinity index : 36%

Thermal properties

Melting temperature : $61.8\text{C}\hat{\text{A}}^{\circ}$

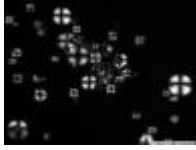
Melting interval : $30.7\text{C}\hat{\text{A}}^{\circ}$

Melting enthalpy : -13.5J/g

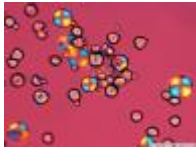
References

Image(s)

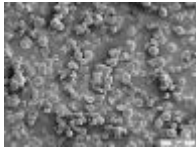
Starch presentation



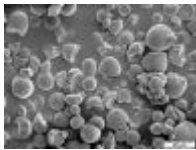
Optical micrograph (OM)



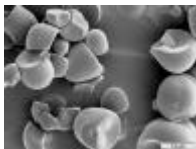
Optical micrograph (OM)



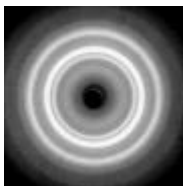
Scanning electron microscopy (SEM) image



Scanning electron microscopy (SEM) image



Scanning electron microscopy (SEM) image



X-ray diffraction (XRD) pattern