## Stem And Stembark - Evaluate

Sew	Stone cells						
Walls       Thin walled       Lignified       Striated         Thin walled       Projections       Pitted         Crenate margin       Beaded       Projections       Pitted         Non pitted       Distinctly pitted       Transversely pitted       Radiating pits         Shape       Oval       Circular       Round       Spherical         Oblong       Irregular       Isodiametric       Angular         Triangular       Squarish       Rectangular       Pentagonal         Polyhedral         Sclereids         Occurrence       N/A       Isolated       Group       Abundant         Few         Walls       Thin walled       Three sided thickening       Lignified         Striated       Branched       Projectioned       Peg like extension         Beaded       Pitted walls       Simple pits       Distinct pits	Occurrence						
Thin walled	Few	Abundant	Isolated	Group			
Crenate margin	Walls						
Non pitted Distinctly pitted Transversely pitted Radiating pits  Branching pits  Shape Oval Circular Round Spherical Oblong Irregular Isodiametric Angular Triangular Squarish Rectangular Pentagonal  Polyhedral  Sclereids  Occurrence N/A Isolated Group Abundant Few  Walls Thin walled Thick walled Three sided thickening Lignified Striated Branched Projectioned Peg like extension Beaded Pitted walls Simple pits Distinct pits	Thin walled	Thick walled	Lignified	Striated			
Branching pits    Shape	Crenate margin	Beaded	Projections	Pitted			
Shape Oval   Circular   Round   Spherical   Oblong   Irregular   Isodiametric   Angular   Triangular   Squarish   Rectangular   Pentagonal   Polyhedral  Sclereids  Occurrence   N/A   Isolated   Group   Abundant   Few  Walls   Thin walled   Three sided thickening   Lignified   Striated   Branched   Projectioned   Peg like extension   Beaded   Pitted walls   Simple pits   Distinct pits	Non pitted	Distinctly pitted	Transversely pitted	Radiating pits			
Oval	Branching pits						
Oblong   Irregular   Isodiametric   Angular   Triangular   Squarish   Rectangular   Pentagonal	Shape						
Triangular Squarish Rectangular Pentagonal    Polyhedral	Oval	Circular	Round	Spherical			
Sclereids  Occurrence N/A Isolated Group Abundant Few  Walls Thin walled Thick walled Three sided thickening Lignified Striated Branched Projectioned Peg like extension Beaded Pitted walls Simple pits Distinct pits	Oblong	Irregular	Isodiametric	Angular			
Sclereids  Occurrence  N/A Isolated Group Abundant  Few  Walls Thin walled Thick walled Three sided thickening Lignified  Striated Branched Projectioned Peg like extension  Beaded Pitted walls Simple pits Distinct pits	Triangular	Squarish	Rectangular	Pentagonal			
Occurrence  N/A	Polyhedral						
N/A Isolated Group Abundant  Few  Walls Thin walled Thick walled Three sided thickening Lignified  Striated Branched Projectioned Peg like extension  Beaded Pitted walls Simple pits Distinct pits							
Walls Thin walled Thick walled Three sided thickening Lignified Striated Branched Projectioned Peg like extension Beaded Pitted walls Simple pits Distinct pits			□ c==::=	□ Abus dast			
Walls         Thin walled       Thick walled       Three sided thickening       Lignified         Striated       Branched       Projectioned       Peg like extension         Beaded       Pitted walls       Simple pits       Distinct pits		Isolated	☐ Group	Abundant			
Thin walled Thick walled Three sided thickening Lignified  Striated Branched Projectioned Peg like extension  Beaded Pitted walls Simple pits Distinct pits	Few						
Striated     Branched     Projectioned     Peg like extension       Beaded     Pitted walls     Simple pits     Distinct pits	Walls						
Beaded Pitted walls Simple pits Distinct pits	Thin walled	Thick walled	Three sided thickening	Lignified			
	Striated	Branched	Projectioned	Peg like extension			
Radiating pits	Beaded	Pitted walls	Simple pits	Distinct pits			
	Radiating pits						
Shape	Shape						
Oval Circular Round Spherical		Circular	Round	Spherical			
Oblong Elongated Isodiametric Rectangular	Oblong	Elongated	Isodiametric	Rectangular			
Triangular Cylindrical Pentagonal Polyhedral	Triangular	Cylindrical	Pentagonal	Polyhedral			
Fibre like Blunt end Pointed ends Cone shaped	Fibre like	Blunt end	Pointed ends	Cone shaped			
Lumen	Lumen						
Narrow Wide Pitted		Wide	Pitted				

Fibers						
Occurrence Few	Numerous	solated	Group			
Walls						
Thin walled	Thick-walled	Lignified	Non lignified			
Frequently broken	Occasionally twisted	Striated	Projections			
Septate	Faint transverse septa	Crenate margin	Dentate margin			
Smoothly/finely striated	Irregular swellings	Beaded	Radiating pits			
Oblique pits	Transverse pits	Distinct pits	Slit like			
Crystal fibres	Bifurcating ends					
Shape						
Very long	Bent	Pointed apex	Irregular margin			
Oval	Circular	Round	Spherical			
Rectangular	Pentagonal	Squarish	Triangular			
Polyhedral						
Lumen						
Narrow	Wide	Uneven	Highly pitted wide lumen			
Slit like						
Starch grains						
Shape						
Simple	Compound	Small	Round			
Oval	Spherical	Triangular				
Type of hilum						
□ N/A	Narrow	Slit	Cleft			
Radiate	Centrally located	Eccentric				
Calcium oxalate crystals						
□ N/A	Prismatic	Clusters	Rosettes			
Acicular	Microsphenoidal	Sandy	Idioblasts			
Rod shaped	Crystal layer	Crystal sheath	Raphides			
Medullary rays						
Uniseriate	Biseriate	Multiseriate	Tangentially-cut			
Longitudinally-cut	Radially-cut					

Cork							
□ N/A	Thin walled	Thick walled	Beaded walls				
Irregular	Lignified	Non-lignified	Suberized				
Multilayered	Radially arranged	Isodiametric	Oval				
Elongated	Rectangular	Pentagonal	Hexagonal				
Polygonal	Pitted lumen						
	Isolate	ed Oil Cells					
□ N/A	Ovoid						
	Tubular Lactiferous Canals						
□ N/A	Isolated	Groups	Oval				
Spherical							
	Masses						
□ N/A	Granular masses	<ul> <li>Dark brown cells containing tannins</li> </ul>	Gummy				
Elongated	Rectangular	Pentagonal	Hexagonal				
Polygonal	Pitted lumen						
Isolated Oil Cells							
□ N/A	Ovoid						
Tubular Lactiferous Canals							
□ N/A	Isolated	Groups	Oval				
Spherical							
Masses							
□ N/A	Granular masses	Dark brown cells containing tannins	Gummy				
Rhytidoma							
□ N/A	Irregular	Rectangular					

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