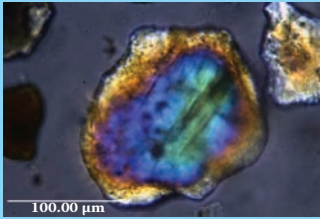

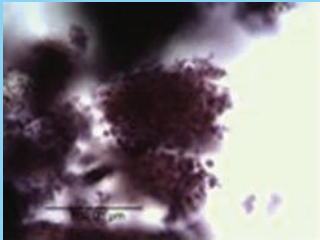
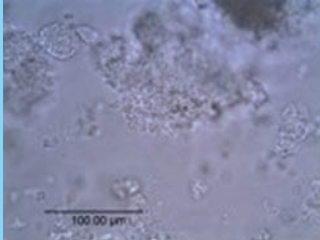


Table 3.3 Examples of Sand, Starch, and Fillers and Their Chemical Reactions			
Adulterant	Mountant/Treatment	Characteristics Observed	Image
Sand	Chloral hydrate	Rainbow colors with polarized light	
Starch	Glycerin	Maltese cross with polarization	 Maltese cross in starch grain of <i>Solanum</i> spp.
Rice starch	Iodine	Bluish black	
Rice starch	Ethanol and glycerine	Polygonal 2–10 μm in diameter; simple or compound; hilum usually indistinct	

Sand and rice starch courtesy of Alkemists Pharmaceuticals, Costa Mesa, CA; starch showing Maltese cross, courtesy of Prof. Dr. Reinhard Länger, AGES, Vienna, Austria.

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