



Chemical test report

Common tests

Chemical Test	Mainly used for	Reaction	Cap Surface	Cap flesh	Partial veil	Stipe flesh
Ammonia	Boletes	Blue-green or gray				
Iron salts	Boletes and Russulas	Orange to green				
Potassium hydroxide	Boletes, polypores, and gilled mushrooms	Yellow, magenta, olive, deep red or black				
Melzer's Reagent	White spores	blue black = Amyloid reacts brown to reddish-brown = dextrinoid No change yellow brown= Inamyloid				
Potassium hydroxide followed by Melzer's Reagent		Blue without KOH= Euamyloid				
Lugol's solution (Potassium hydroxide followed by Melzer's Reagent or Lugol's solution)		Red = Hemiamyloid but no change with Melzer's Reagent. Both test blue with pretreatment of KOH				



Uncommon tests

Chemical Test	Mainly used for	Reaction	Cap Surface	Cap flesh	Partial veil	Stipe flesh
Meixner (test on newspaper)	Amatoxins	grayed bluish-green				
Paradimethylaminobenzaldehyde	Tricholomas					
Phenol						
Schaeffer's test	Agaricus. Esp <i>Russul</i>	orange to red color				
Sulfo-vanillin	Russula	black to purple-grey				