



How to Test Food Adulteration ?

Adulterant	Detection
Food- Tea Leaves Adulterant- Iron Flakes	Spread a small quantity (2 tea-spoon) of the sample on a piece of paper. Draw a magnet over it. Iron flakes, if present, cling to the magnet. The same test may be carried out to trace iron flakes from tea half-dust and iron filings from tea dust.
Food -Tea Leaves Adulterant -Leather Flakes	Prepare a paper-ball. Fire the ball and drop a little amount of the sample on it. The presence of leather flakes emit an odour of burnt leather.
Food -Tea Leaves Adulterant -Coal Tar Dye	Scatter a little amount (1 tea-spoon) of the sample on a moistened white blotting paper. After 5 minutes, remove the sample and examine the paper. A revelation of coloured spots indicates the use of the dye.
Food - Coriander powder and Cumin Powder Adulterant - Saw Dust	Take a little amount (a half of tea-spoon) of the sample. Sprinkle it on water in a bowl. Spice powder gets sedimented at the bottom and saw-dust floats on the surface.
Food -Green vegetables like Bitter Gourd, Green Chilli and others Adulterant -Malachite Green	Take a small part of the sample and place it on a piece of moistened white blotting paper. The impression of colour on the paper indicates the use of malachite green, or any other low priced artificial colour.
Food -Arhar Pulse Adulterant -Kesarri Pulse	Kesari Pulse has a characteristic wedge shape. Larger Kesari resembles Arhar (Tur). It can be separated by visual examination.
Food -Black Pepper Adulterant -Papaya Seeds	Papaya seeds do not have any smell and are relatively small in size. Adulteration of papaya seeds with Black Pepper may be detected by visual examination as also by way of smelling.
Food -Rice Adulterant -Earth, sand, grit, unhusked paddy, rice bran, talc, etc.	These adulterants may be detected visually and removed by way of sorting, picking, and washing.
Food -Wheat Adulterant -Earth, sand, grit, chopped straw, bran, unhusked grain, and seeds of weeds.	These adulterants may be detected visually and removed by way of sorting, picking, and washing.