

Laboratory activity: Identifying textile fibers using specific methods



Organoleptic analysis of textile fibers

Organoleptic analysis consists in determining the characteristics of raw materials/products by means of senses (seeing, smell, etc.) and touch sensations (soft, harsh).

Among the characteristics of textile fibers that can be analyzed with the help of the sense of sight and touch, we mention:

- color;
- gloss (mat, weak, full, strong, very strong);
- length (short, medium, long fibers, filaments);
- fineness (small, medium, high);
- corrugations (no corrugations, slightly curled, normally curled, with frequent curls);
- the impurity content (contains / contains no impurities)
- the touch sensations (soft, harsh) etc.



Remember!

Knowing the properties of the textile fibers we can identify their nature / type by organoleptic analysis of fibers samples.

REQUIREMENTS:

- perform the organoleptic analysis of the characteristics of fiber samples given by the teacher
- write the data found in the so called "Organoleptic analysis of textile fiber" work sheet
- interpret the results obtained by naming the analyzed textile fiber;
- write the answer in the last column of the work sheet.

Worksheet: *Organoleptic analysis of textile fibres*

Student name:

Grade:

Date:

Sample number:	Data found:	The analysed fiber is:
①		
②		
③		
④		