Email : sales@scilabexport.com
Phone: +91-7082934803

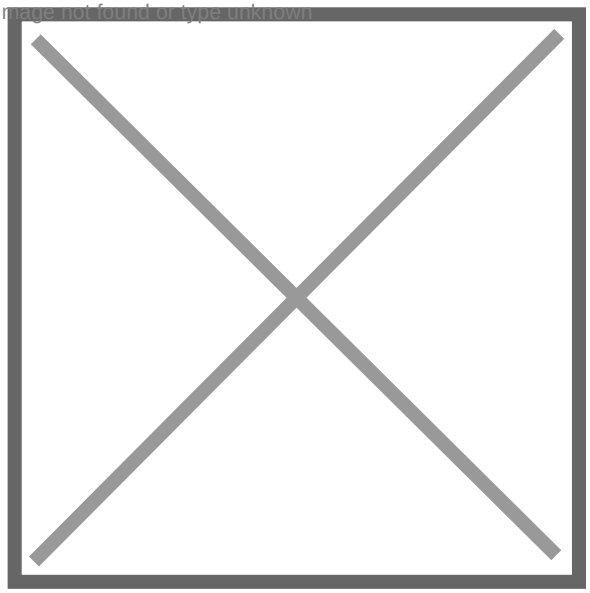
Product Name :

Functional Group Chart

Product Code :

SCL-555/027

Image not found or type unknown



Description :

Functional Group Chart (Product Code: SCL-555/027) is a wall chart depicting variousfunctional groups of organic chemistry. A functional group is the atom or small cluster of atoms –the hydroxyl group of an alcohol or the carboxyl group of an acid, for instance – that gives awhole family of compounds its typical reactions, so recognising it is one of the key skills in thesubject. Chemistry teachers use the chart in lessons on nomenclature and organic reactions, andstudents use it as a quick reference during practicals. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, and belongs to the school chemistry lab equipment in India that the company offers for the organic chemistry syllabus.

Key Details

Parameter	Detail
Model No.	SCL-555/027
Type	Teaching wall chart
Content	Various functional groups of organic compounds
Purpose	Recognising functional groups and linking them to families of compounds
Suitable for	Chemistry classrooms and practical laboratories
Size and material	Not stated; available on request

Typical Use

Once students know that organic compounds fall into families, the next step is learning to spot the part of a molecule that defines each family. With the chart beside the board, a teacher can draw a structure, ask the class to find its functional group on the chart and then name the family it belongs to. The chart also supports IUPAC naming, because the suffix or prefix of a name depends on the principal functional group present. Many teachers keep it with their chemistry teaching kit for the organic unit so it can go up in any room where the topic is taught.

In the practical laboratory it becomes a working reference for identification experiments, where an unknown organic compound is tested for aldehyde, ketone or carboxylic acid groups with reagents such as 2,4-DNP, Tollens' reagent, Fehling's solution or sodium bicarbonate. Students can check on the chart which group a positive result points to before writing their conclusion. Display it away from the fume area and wash basins so the surface stays clean and readable.

Manufacturer

ScienceLab is the brand under which Jain Scientific Equipments Private Limited, based in Ambala, Haryana, makes chemistry charts, models and practical apparatus for teaching laboratories in India and international markets. Company details are on the ScienceLab profile page.

Related Chemistry Lab Equipment

For th
order