Email : sales@scilabexport.com
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Product Name :

Molecular Model Kit, Fat (Glyceryl Tristearate)

Product Code :

SLE/Mo/12



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Description :

Molecular Model Kit, Fat (Glyceryl Tristearate) (Product Code: SLE/Mo/12) is a model-building kit used to construct glyceryl tristearate, a typical saturated fat, in biology, food-science and chemistry lessons. Its joining pieces keep the three fatty-acid chains firmly attached to theglycerol unit so the molecule can be passed round the class, and the parts are kept in acompartment case. The kit is produced by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**,an OEM manufacturer, at its own factory in Ambala, India.

Key Details

Parameter	Detail
Molecule	Glyceryl tristearate (a fat / triglyceride)
Construction	Moulded parts with joining pieces designed for a firm assembled model
Manufacture	Precision-engineered moulds and materials
Storage	Durable storage case with compartments for segregating parts
Part count and size	Not stated in this listing — confirmed with your quotation
Product code	SLE/Mo/12
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Fat Molecular Model Kit Used For?

Glyceryl tristearate, also called tristearin, forms when one glycerol molecule is joined by ester bonds to three stearic acid molecules, with water released at each link. Every chain is saturated, with no carbon–carbon double bonds, so the chains stay straight and pack closely together — the reason fats of this type are solid at room temperature.

In class, students can build the glycerol unit first, attach the three chains and then locate the ester links. The finished model supports discussions of fat digestion by lipase, soap-making by saponification and the difference between saturated and unsaturated fats, making it a useful molecular model for organic chemistry as well as nutrition. Placing it beside the stearic acid kit shows how one fatty acid becomes part of a fat.

OEM Manufacturer

The fat kit is manufactured by Jain Scientific Equipments Private Limited, which trades as ScienceLab and acts as the OEM (original equipment manufacturer). Each kit is made and assembled at the company's own licensed factory at Saha, Ambala, Haryana, India, rather than sourced from a trader.

Schools, food-science and nutrition departments, dealers and importers can buy direct from the factory. Learn more on the ScienceLab company profile.

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