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Product Name :

Alpha Helix Molecular Model Kit

Product Code :

SLE/Mo/07



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Description :

Alpha Helix Molecular Model Kit (Product Code: SLE/Mo/07) is a self-build model kit used to construct the alpha helix, a coiled protein secondary structure, in biology and biochemistry classes. Its joining pieces hold the assembled coil firmly enough to be passed around the room, and the parts live in a durable case with compartments — a practical molecular model for chemistry and biology teaching in India. The kit is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Key Details

Parameter	Detail
Model subject	Alpha helix (protein secondary structure)
Construction	Moulded parts with joining pieces designed for a firmly constructed model
Moulds and materials	Precision-engineered
Storage	Durable storage case with compartments to keep parts segregated
Part count and assembled size	Not stated in this listing — confirmed with your quotation
Product code	SLE/Mo/07
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Alpha Helix Model Kit Used For?

In an alpha helix, the backbone of a polypeptide chain twists into a right-handed coil. Each backbone C=O group forms a hydrogen bond with the N–H group of the amino acid four positions further along, and the side chains point outwards from the coil. Ribbon diagrams in textbooks hide most of this detail, so building the helix by hand makes the pattern far easier to see.

Students usually assemble the coil in pairs or small groups, then trace where the hydrogen bonds sit and how the side chains project. Because the joins are firm, the finished helix can travel round the class for discussion, for example when comparing it with a flat beta sheet. After the lesson, sorting each piece back into its compartment keeps the kit complete for the next biochemistry group.

OEM Manufacturer

Jain Scientific Equipments Private Limited, which trades as ScienceLab, is the OEM (original equipment manufacturer) of the Alpha Helix Molecular Model Kit. The kits are produced at the company's own licensed factory at Saha, Ambala, Haryana, India, and sold factory-direct to schools, universities, dealers and importers.

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