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Product Name :

Aflatoxin meter

Product Code :

SLE/CH/05



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Description :

Aflatoxin meter (Product Code: SLE/CH/05) is a bench instrument that works on the solid-phase enzyme-linked immunosorbent assay (ELISA) principle to measure the aflatoxin B1 content of samples quantitatively. Used together with an aflatoxin B1 kit, it serves food, feed, edible oil,dairy, pharmaceutical, beverage and wine testing laboratories, as well as teaching labs that coverfood safety. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, within itsrange of analytical lab instruments for India and international markets.

Specifications

Parameter	Detail
Principle	Solid-phase ELISA (enzyme-linked immunosorbent assay)
System	Two parts: aflatoxin meter and B1 kit
Measures	Aflatoxin B1 content; other toxins can be measured with other matching kits
Minimum measure volume	0.05 ng
Measuring range	0.05–1 ng/ml (ppb)
Absorbance range	-0.041 to 1.999 A
Concentration range	0.000–9999
Wavelength	450 ± 2 nm
Precision	±0.1 ng/ml
Test speed	20 pieces per hour
Light source	36V / 20mA
Operating temperature	5–35 °C
Power	37 W
Working power supply	220V ±10%, 50 Hz
Size	350 x 270 x 210 mm
Weight	9 kg
Applications	Food, feed, oils and fats, dairy products, pharmaceuticals, beverages, wine products

Typical Use

Aflatoxins are toxic compounds produced by certain moulds on crops such as grains and oilseeds, and B1 is the one most often monitored. In an ELISA test, the prepared sample extract and kit reagents react in antibody-coated wells; after the washing and colour-development steps set out in the kit instructions, the meter reads the colour intensity at 450 nm and converts the absor
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