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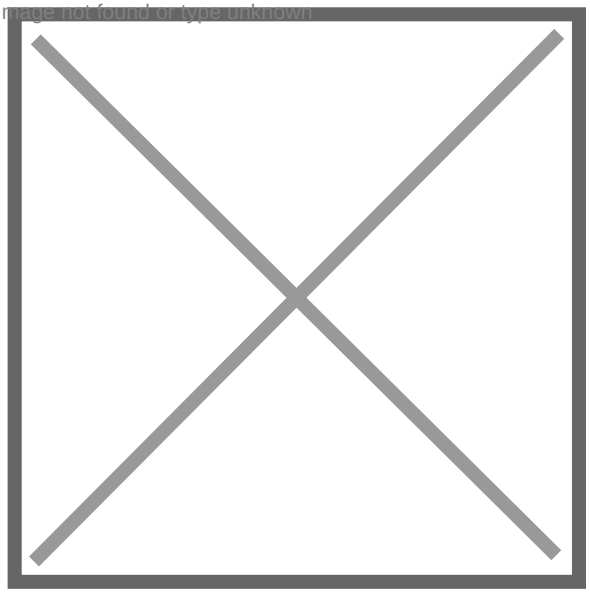
Product Name :

Acetone (AR Grade)

Product Code :

SCL359/080

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Science Lab
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Description :

Acetone (AR Grade) is a fast-evaporating organic solvent in a 500 ml pack, supplied with an MSDS. Biology classes use it to extract chlorophyll and other leaf pigments and then run paper chromatography on the extract. It also serves as a final rinse that strips grease and marker ink from washed glassware and helps it dry quickly.

Acetone grade and pack

Parameter	Detail
Product	Acetone (AR Grade)
Pack size	500 ml
Grade	Analytical reagent (AR)
Documentation	Supplied with MSDS
Product code	SCL359/080
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Supplied by	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Leaf pigment practicals with acetone

Making the leaf extract. Tear fresh green leaves into a pestle and mortar, add a little clean sand and a small volume of acetone, and grind until the liquid turns deep green. Filter it through Whatman's filter paper in a glass funnel to hold back the leaf fragments, and cap the extract at once.

Running the chromatogram. Draw a pencil line across a strip cut from chromatography paper and build up a small, dark spot of extract on it, letting each drop dry before the next. Stand the strip in a covered glass beaker holding a shallow layer of the developing solvent named in the manual. Carotene, xanthophylls and the chlorophylls climb to different heights as distinct coloured bands.

Rinsing glassware. After washing and a water rinse, a small splash of acetone swirled round a beaker or test tube lifts the last grease and marker ink and carries the water away, so the glass dries within minutes. Collect the rinsings in a labelled solvent waste bottle instead of pouring them down the sink.

Flames, ventilation and containers for acetone

Acetone is highly flammable and its vapour spreads easily. Put out every flame, spirit lamps and burners included, before a bottle is opened, and work in a ventilated room. Wea
pour
close

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