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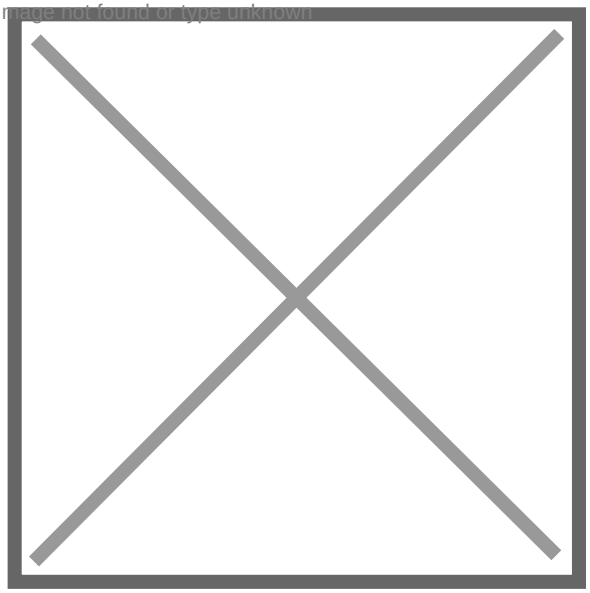
Product Name :

Ammonium Molybdate

Product Code :

SCL367/085

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Description :

Ammonium Molybdate is an analytical reagent in a 100 gm pack, supplied with an MSDS, for detecting phosphate in biology and chemistry practicals. Added to an acidified sample and warmed, it gives a canary-yellow precipitate when phosphate is present, so classes can test bone ash, plant ash, soil or fertiliser samples for phosphorus.

Ammonium molybdate grade and pack

Parameter	Detail
Product	Ammonium Molybdate
Grade	Analytical reagent
Pack capacity	100 gm
Safety documentation	Supplied with MSDS (Material Safety Data Sheet)
Product code	SCL367/085
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Supplied by	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Phosphate tests with ammonium molybdate

Phosphate in bone and plant ash. Heat a small piece of dry bone or some dried leaves in a crucible with lid until only pale ash remains, and let it cool. Dissolve part of the ash in dilute nitric acid that staff have prepared from concentrated nitric acid, then filter the solution into a clean test tube.

Running the test. Add an excess of ammonium molybdate solution, made up in distilled water shortly before the class, and warm the tube gently over a spirit lamp, holding it in a test tube holder. A canary-yellow precipitate confirms phosphate, while a tube that stays clear shows none was detected.

Controls and comparisons. Run a positive control with a little calcium phosphate dissolved in the same acid, and a blank of acid and distilled water only. Students then test soil and fertiliser extracts and rank them by how quickly and how heavily the yellow precipitate forms.

Handling the reagent and the acid

Read the MSDS before the class. Wear gloves and goggles, above all once nitric acid is in use, and leave the concentrated acid to staff. Weigh the reagent on a digita d colle

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