Email : sales@scilabexport.com
Phone: +91-7082934803

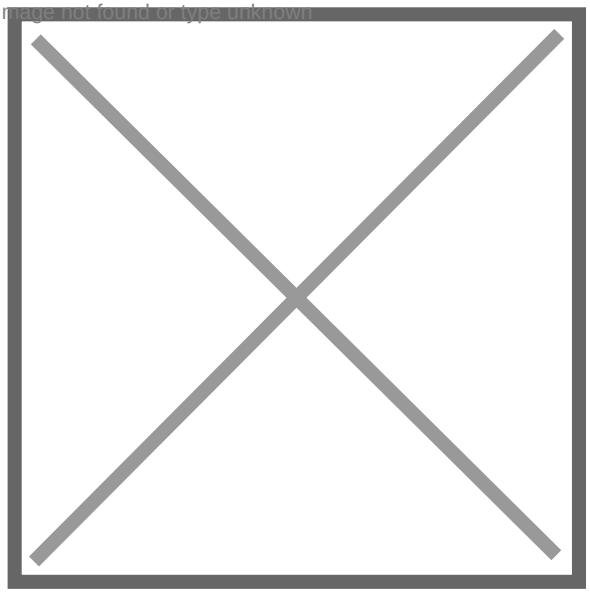
Product Name :

Lead Carbonate

Product Code :

SCL-877/181

Image not found or type unknown



Science Lab

Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Lead Carbonate (Product Code: SCL-877/181) is lead(II) carbonate, a white, water-insolublelead salt used to demonstrate thermal decomposition and carbonate reactions in school andcollege inorganic chemistry practicals. Colleges also give it as a known sample so students canpractise identifying a lead cation and a carbonate anion together. The 500 gm analytical reagentpack arrives with an MSDS and is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as one of the lab chemicals it supplies across India for practical work.

Specifications

Parameter	Detail
Chemical	Lead(II) carbonate, $PbCO_3$
Capacity	500 gm
Grade	Analytical reagent
Safety documentation	Supplied with MSDS
Hazard	Toxic lead compound – weigh in a fume cupboard and store locked
Shelf life	Shelf life depends on the chemical, its grade and storageconditions; ask us for the expiry date of the batch you are quoted.
Product code	SCL-877/181
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Lead Carbonate Used For?

Heated in a dry boiling tube, lead carbonate decomposes into lead(II) oxide and carbon dioxide: the white powder turns yellow, and the gas bubbled through lime water turns it milky. Repeating the experiment with calcium carbonate, which needs far stronger heating before it gives off any gas, shows students how the thermal stability of carbonates differs from metal to metal.

With dilute nitric acid, lead carbonate fizzes and dissolves to give a lead nitrate solution for further tests; hydrochloric and sulphuric acids are poor choices, because they coat the solid with lead chloride or lead sulphate and stall the reaction. As a practice unknown for school and college exam preparation, it rewards careful work: the carbonate shows up as effervescence and a positive lime water test, and the lead is confirmed with potassium iodide or potassium chromate, both of which give yellow precipitates.

Like all lead compounds it is toxic and its fine powder is easily inhaled. Staff should weigh it out in a fume cupboard, students should use gloves and small spatula portions, and residues belong in a labelled lead waste container.

Supplier

Lead Carbonate is supplied by **Jain Scientific Equipments Private Limited**, which trades as **Scien**
colleg vare
can b