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

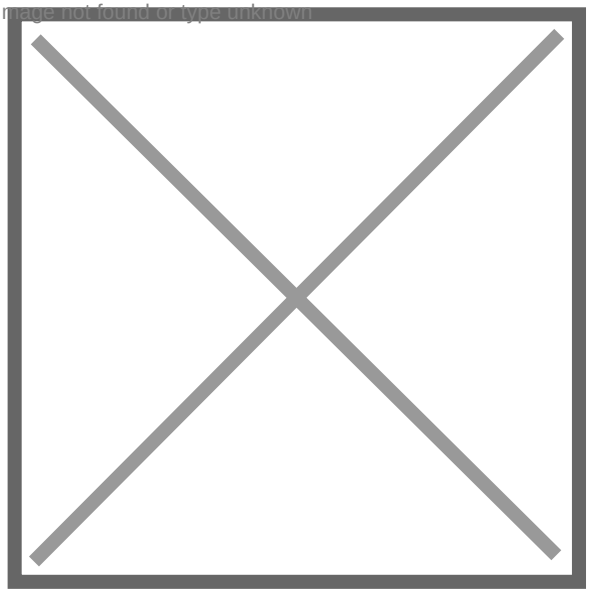
**Product Name :**

Cobalt Nitrate

**Product Code :**

SCI-648/283

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# Description :

**Cobalt Nitrate** (Product Code: SCI-648/283) is an analytical reagent grade cobalt(II) salt used as the confirmatory reagent in the charcoal-block cobalt nitrate test of dry salt analysis in school and college chemistry laboratories. Chemistry teachers and practical examiners use its solution to tell aluminium, zinc and magnesium residues apart by colour, and the salt comes in a 100 g packwith an MSDS. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala,India, as one of its lab chemicals for salt analysis.

## Specifications

| Parameter | Detail |
|---|---|
| Chemical | Cobalt(II) nitrate (hydrate form not stated — ask us) |
| Grade | Analytical reagent |
| Capacity | 100 g |
| MSDS | Included with the supply |
| Shelf life | Shelf life depends on the chemical, its grade and storage conditions; ask us for the expiry date of the batch you are quoted. |
| Product code | SCI-648/283 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

## What Is Cobalt Nitrate Used For?

In the cobalt nitrate test, a white residue left after heating an unknown salt on a charcoal block is moistened with a drop or two of cobalt nitrate solution and heated again in the oxidising flame of a blowpipe. A blue mass points to aluminium, a green mass to zinc and a pale pink mass to magnesium, which makes this single reagent a useful step in the salt analysis scheme of school chemistry lab practicals.

Cobalt(II) solutions also show a striking colour equilibrium: pink hydrated cobalt ions turn blue when concentrated hydrochloric acid is added or the solution is warmed, and return to pink on dilution or cooling, a clear illustration of Le Chatelier's principle. Cobalt compounds are harmful, can cause skin and breathing sensitisation and are treated as possible carcinogens, so wear gloves, avoid raising dust and dispose of cobalt residues as heavy-metal waste.

## Supplier

Jain Scientific Equipments Private Limited, which trades as ScienceLab, supplies Cobalt Nitrate to schools, colleges, examination centres and dealers that stock reagents for dry salt analysis. For vendor registration, the supplying company is Jain Scientific Equipments Private Limited (CIN U29309HR2020PTC087597, GSTIN 06AAECJ8618A1ZT). Further company information is on the ScienceLab profile.

## Related Laboratory Equipment

Appa