

Task History

Task Began March 08, 2017 09:35 AM

Explore references by research topic: nickel carbonate

Research Topic: nickel carbonate

Result Count: 2

Candidates Selected (ID 1)

3669 references were found containing "nickel carbonate" as entered.

Answer Type: References*Result Count:* 3669**Detailed display**

From ID: 1

Type: The Action of Carbon Dioxide Upon the Hydroxides of the Metals, (conclusion)

3620. The Action of Carbon Dioxide Upon the Hydroxides of the Metals, (conclusion)**By:** Raikow, P. N.**Source:** Chemiker-Zeitung, Volume: 31, Pages: 141-43, Journal, 1907, CODEN: CMKZAT, ISSN: 0009-2894**Company/Organization:** Univ. of Sophia**Accession Number:** 1907:4044, CAN 1:4044, CAPLUS**Language:** Unavailable**Abstract**

See foregoing abs. Carbon dioxide acting upon nickelous hydroxide in suspension produces an acid carbonate, $\text{Ni}_2\text{H}_2(\text{CO}_6)_4$, slightly soluble in carbonic acid, but precipitated by boiling out the excess of carbon dioxide. With cobalt a sesquicarbonate appears to be formed, but the composition was doubtful and the precipitate unstable. A precipitate was expected in the case of the copper hydroxides and appeared to begin to form from cuprous hydroxide but no permanent carbonate was formed under the conditions of these experiments. Silver and lead give normal carbonates. A tabular summary of all the experiments is given showing the carbonates known in the literature and those obtained. It is interesting to compare the tendency of the elements to form basic, neutral or acid carbonates with the position of the same elements in the periodic system.

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Concepts

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table of**Substances**

534-16-7P Silver carbonate

598-63-0P Lead carbonate

7542-09-8P Cobalt carbonate

860002-49-9P Nickel carbonate, $\text{Ni}_3\text{H}_2(\text{CO}_3)_4$

prepn. of

Preparation

Tags

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