高い反応性を有する新材料

金属酸化物溶液（Nb,Ta,Ti）

New material with high reactivity

Nb oxide, Ta oxide, Ti oxide solution

用　途

・コーティング剤，複合化の前駆体等

As a new material with functions not found in conventional oxide sols, it can be widely applied to coating agents, compounding precursors, etc.

概要・特徴

・Nb酸化物，Ta酸化物，Ti酸化物のアルカリ性溶液

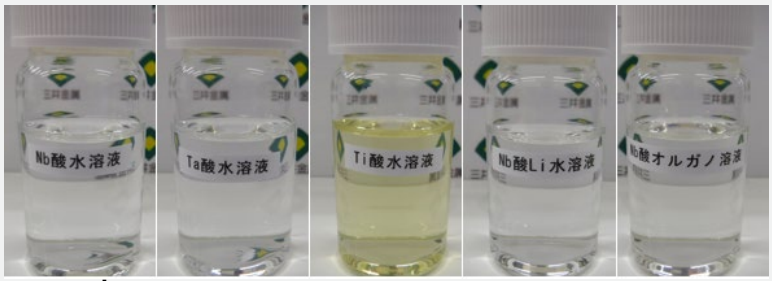
It is an alkaline solution of Nb oxide, Ta oxide, and Ti oxide.

・Nb,Ta,Tiが活性な状態で存在し、優れた成膜性・高反応性・均一反応性を発現

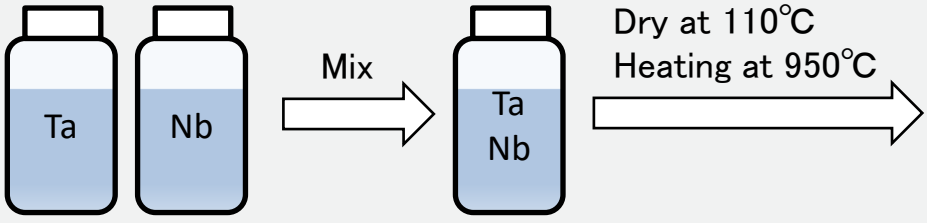
Nb, Ta and Ti exist in an active state, and they have excellent film-forming properties, high reactivity, and uniform reactivity.

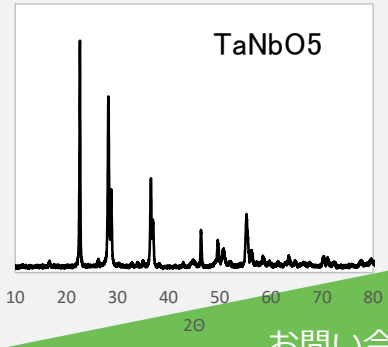
・NbとLiが溶けたNb酸Li水溶液は、$LiNbO_3$のゾルゲル法による合成が可能で、電池の正極活物質のコーティング液として有用です。

An aqueous solution of lithium niobate in which Nb oxide and lithium hydroxide are dissolved can be synthesized by the sol-gel method of $LiNbO_3$, and is useful as a coating liquid for the cathode active material of batteries.



Synthesis example





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