




BCSIR Dhaka Laboratories, BCSIR

Process	A process for the production of Zinc Acetate from Zinc Oxide
Use	Zinc acetate is commonly used as a dietary supplement and in lozenges used to treat the common cold and treat zinc deficiencies and treatment of Wilson's disease
Area	Zinc deficiencies, Antibiotic
Salient features	<p>Zinc acetate is used in chemical synthesis for different pharmaceutical products and as a dietary supplement and in lozenges used to treat the common cold. It along is thought to be a more effective treatment than zinc gluconate. Zinc acetate can also use to treat zinc deficiencies. As an oral daily supplements it is used to inhibit the body's absorption of copper as part of the treatment of Wilson's disease. It is also sold as an astringent in the form of an ointment, a topical lotion or combined with an antibiotic such as erythromycin for the topical treatment of acne, furthermore zinc acetate is commonly sold as a topical anti-itch ointment.</p>
	
Scale of development	The process is standardized at bench scale
Major Raw Material	Zinc oxide and acetic acid
Major Plant Equipment/Machinery	S.S.Still container, mechanical stirrer, hot plate, round bottom flask, heating mentel
Commercialization status	This process is accepted by the BCSIR authority and it is ready for commercialization
Techno-Economics	This process is environment friendly and after commercialization this product able to fulfill our national demand
Cost	900.0/kg
Key words	Zinc oxide, acetic acid, dietary supplement, lozenges
Contact Address	Director, BCSIR Dhaka Laboratories, Phone: 0258617924 Sr. Ind. Liaison Officer, BCSIR, Dhaka.