

 PRODUCTS FOR BATTERY

Recycled Cathode Material




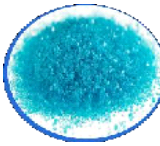


Product Description

Focused on 100 % recycled cathod material for lithium-ion batteries.

Application

» Lithium-ion battery

Product Portfolio

Product Type	Product Name	Product Images	Main Indicators	Product Introduction
Lithium Salt	Lithium carbonate		$\text{Li}_2\text{CO}_3 \geq 99.5 \%$ Loss on ignition $\leq 0.5 \%$ $\text{F} \leq 0.008 \%$, $\text{B} \leq 0.005 \%$ $\text{SO}_4 \leq 0.08 \%$ $\text{D50: } 5.5 \pm 1.5 \mu\text{m}$ $\text{D90: } 12 \pm 3 \mu\text{m}$	Battery grade lithium carbonate (Li_2CO_3) is a white powder that is slightly soluble in water, soluble in dilute acids, and insoluble in alcohols. It is mainly used in the synthesis of lithium cobalt oxide, lithium manganese oxide, ternary materials, and lithium iron phosphate as positive electrode materials for lithium-ion batteries. It is used to manufacture high-energy lithium batteries, and can also be applied in the metallurgical and pharmaceutical industries.
	Nickel sulfate		$\text{Ni} \geq 22.00 \%$, $\text{Na} \leq 0.2 \%$ $\text{Mg} \leq 0.005 \%$ Metal foreign-objects $\leq 45 \text{ ppm}$ Magnetic metal particles (JMS) $\leq 30 \text{ pcs}$	Nickel sulfate (NiSO_4) is green crystalline, easily soluble in water, slightly soluble in ethanol and methanol. Its aqueous solution is acidic, slightly soluble in acid and ammonia, and toxic. The main raw material for positive electrode materials of power batteries, as well as the main nickel salt used in electroplating industry, nickel plating, nickel battery making, and chemical nickel.
Cobalt Salt	Cobalt sulfate		$\text{Co} \geq 20.50\%$, $\text{Na} \leq 0.01\%$ $\text{Mg} \leq 0.005\%$ Metal foreign objects $\leq 45 \text{ ppm}$ Magnetic metal particles (JMS) $\leq 30 \text{ pcs}$	Cobalt sulfate (CoSO_4) is a reddish crystalline substance with a brownish yellow color, used in the production of ternary materials for power batteries in the new energy vehicle industry, as well as paint drying agents, cobalt pigments, and additives for alkaline batteries.
	Industrial cobalt oxide		$\text{Co} \geq 72\%$, $\text{Na} \leq 0.1\%$, $\text{Mg} \leq 0.5\%$, $\text{Pb} \leq 0.002\%$, $\text{Cd} \leq 0.005\%$	Cobalt oxide (CoO) is a black gray hexagonal crystal powder, commonly used as the main raw material for producing hard alloys, super heat-resistant alloys, insulation materials, and magnetic materials, as well as catalysts and dyes in the chemical industry.
Electronic cobalt oxide	$\text{Co} \geq 72\%$, $\text{Na} \leq 0.01\%$, $\text{Mg} \leq 0.01\%$, $\text{Ca} \leq 0.01\%$, $\text{K} \leq 0.005\%$			

