

**TECHNICAL DATA SHEET**

Product	Nickel(II) Hydroxide
EINECS	235-008-5
CAS	12054-48-7
MF	H ₂ NiO ₂
MW	92.71

SPECIFICATION :

Chemical Composition (w/w)%				
Item	Zn₃Co_{1.5}	Zn₄Co_{1.5}	Cobalt Coated	Pure Form
Ni	≥57	≥56	≥54	≥61
Co	1.5±0.2	1.5±0.2	3~8	≤0.2
Zn	3.0±0.3	4.0±0.3	3~4	≤0.02
Cd	≤0.005			
Fe、Cu、Mn、Pb	≤0.01	≤0.003	≤0.003	≤0.003
Ca、Mg	≤0.05			
SO₄²⁻	≤0.5			
NO₂、Cl	≤0.02			
H₂O	≤1			
Physical Specification				
Apparent Density (g/cm³)	1.6-1.85	1.6-1.85	1.55-1.75	1.6-1.85
Tap Density (g/cm)	≥2.1			
Particle Size (D50) μm	6~15	6~15	8~13	8~13
Specific Surface Area (M²/g)	6~15	6~15		
Peak Width of Half Height	0.85	0.85		



Battery Grade Spherical Nickel Hydroxide

Implementation standard: GB/T 20507-2006

Packaging: Iron drum with plastic inside and outside, 25kg/drum

Application: Mainly used as raw materials for lithium-ion battery cathode active materials and nickel-cadmium and nickel-metal hydride battery cathode materials.

Unilong Industry