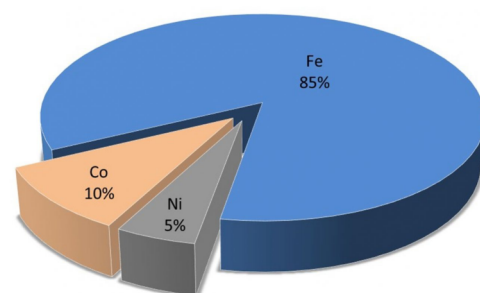


# Alloy Iron Nickel Cobalt **NANOPARTICLES**

Iron Nickel Cobalt Alloy Nanoparticles



Composition Chart

Fe:Ni:Co

Stock No:  
**NS6130-07-743**

CAS	:	7439-89-6 / 7440-02-0 / 7440-48-4
Purity	:	99.9%
APS	:	<80nm
Color	:	Black/Gray
Form	:	Powder

## Technical Specification

Molecular Formula	:	Fe:Ni:Co
Relative Density	:	5.2g/cm <sup>3</sup>
Melting Point	:	2600°F

## Chemical Composition

Assay	:	>99.9%
Fe	:	85%
Ni	:	05%
Co	:	10%

A magnetic alloy is a combination of various metals from the periodic table such as ferrite that contains at least one of the three main magnetic elements: iron (Fe), nickel (Ni), or cobalt (Co) etc. Such an alloy must contain but is not limited to one or more of these metals. Magnetic alloys have become common, especially in the form of steel (iron and carbon), alnico (iron, nickel, cobalt, and aluminum), and permalloy (iron and nickel).

## Application:

- ✓ Used in resistance welding electrodes
- ✓ Used in cable connectors
- ✓ Used in circuit breaker parts
- ✓ Used in spot welding tips

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