Nickel Pellets (Canada)

Nickel Pellets are a high purity form of nickel widely used in melting applications. Nickel Pellets are produced by a carbonyl refining process at the Copper Cliff Nickel Refinery in Sudbury, Canada.

The controlled and consistent purity of Nickel Pellets and the advantages associated with its distinctive shape make this product an industry standard for the production of high-nickel alloys and iron-base alloys:

- Carbonyl refining produces one of the purest forms of nickel available, allowing for its use in the most demanding applications in the aerospace, electronic and nuclear industries.
- High nickel content and low impurity levels allow for its addition at any stage of the alloy-making process.
- Distinctive shape results in high packing density, easy flow and permits semi- and fully-automated handling operations, such as transfer from bulk storage to weighing and furnace charging stations.
- Assured to the Copper Mark Joint Due Diligence Standard, in accordance with OECD Due Diligence Guidance for Responsible Supply Chains.
- Carbon intensity is 5.3 t CO_2e/t Ni, including scopes 1, 2, and 3 (upstream) emissions as of the most recent assessment year (2023)[1]. Carbon intensity is reassessed on a regular basis.

Nickel Pellets are produced in compliance with the ISO 9001:2015 quality standard.

For further information about our products, please visit our website (www.vale.com) or contact a regional sales representative.

1 or 2 tonne bag

Product Description

Form

- Spherical
- Diameter: <20 mm
- Bulk density: approximately 5.4 – 5.8 g/cm^3

Packaging

- 1 or 2 tonne bags
- Bulk shipments (inquire for availability)

Typical analysis (wt %)

Ni*	≥99.98
C	≤0.007
O	≤0.007
Fe	≤0.001
Ca, Cu, N, Na, S, Si	≤0.0005**
Al, As, Bi, Cd, Co, Mn, Mg, P, Pb, Sn, Sb, Zn	≤0.00005**

* Nickel determined by difference.
** For each element listed.

[1]Independent third-party limited assurance to the general principles of ISO 14064-3 has been provided by Intertek Health Sciences Inc. Emissions allocated by economic value.

VALE