# Plating Rounds™

Plating Rounds™ are a high purity form of electrolytic nickel specifically designed for electroplating with titanium anode basket and are one of the lowest carbon intensive nickel products on the market.

The controlled and consistent quality of Plating Rounds™ and their distinctive shape and size make them ideally suited for plating of high quality products:

- High purity nickel.
- Unique shape prevents the formation of bridges and voids in the basket, ensures good solution flow and mixing through the basket.
- Settles uniformly in basket, ensuring uniform current density and high quality deposits.
- Flows easily into regular and shaped baskets of various mesh sizes.
- Safe to handle (no sharp edges).
- Dissolves at 100% anode efficiency in common nickel plating solutions (containing chlorides).
- Assured to the Copper Mark Joint Due Diligence Standard, in accordance with OECD Due Diligence Guidance for Responsible Supply Chains.
- Carbon intensity is 12.3 t $CO_2$e/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.
- Produced in compliance with the ISO 9001:2015 quality and ISO 14001:2015 environmental management standards.

**Vale's Long Harbour Processing Plant manufactures Plating Rounds™ using a state-of-the-art hydrometallurgical process in Newfoundland, Canada.**

For more information visit vale.com, email plating@vale.com or contact your regional sales representative.

10 kg bags, 5 bags per box, 20 boxes per pallet

2 tonne bag

## Product Description

### Form

- Button-shaped pieces of nickel
- Diameter: approximately 25–29 mm
- Thickness: approximately 5–12 mm
- Weight per piece: 26–32 grams density

### Packing density

Approximately 3.6 g/cm$^3$ of basket capacity

### Packaging options

- 10 kg bags — 5 bags per box, 20 boxes per pallet, (1,000 kgs net weight)
- 2,000 kgs bulk bags

### Typical analysis (wt %)

| | |
|---|---|
| Ni* | >99.95 |
| Co | <0.030 |
| Cu | <0.0002 |
| C | <0.008 |
| Fe | <0.002 |
| S | <0.001 |
| As | <0.0001 |
| Pb | <0.0001 |
| Zn | <0.0002 |

* Nickel determined by difference



[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.



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