



### PRODUCT DESCRIPTION AND PACKAGING

#### Product Description

Nikkelverk Nickel CROWNS were specifically developed and patented by Nikkelverk to provide an improved alternative to sheared cathode squares for use in titanium baskets. Nickel CROWNS are hemispherical with a base diameter of approximately 22 mm.

The nickel CROWN shape provides smooth-flowing, easy handling properties and promotes good settling in anode baskets, important in preventing void formation and basket damage.

Electrolytic or high purity nickel continues to be preferred by most platers due to the low level of residuals. A preference for nickel CROWNS over other forms is the result of significant cost savings due to good dissolution and handling characteristics.

The smooth, rounded form of nickel CROWNS has allowed Nikkelverk to introduce greater versatility in packaging than is possible with competitive products and has been designed for improved operator efficiency.

Further information and assistance are available upon request and on the webpage [www.glencore.com](http://www.glencore.com).

#### Typical Analysis

Nickel _____	> 99.98	%
Carbon _____	< 0.002	%
Cobalt _____	< 0.0002	%
Copper _____	< 0.0001	%
Iron _____	< 0.001	%
Lead _____	< 0.0002	%
Sulphur _____	< 0.0002	%
Zinc _____	< 0.0002	%

Nikkelverk NICKEL is guaranteed to meet the chemical requirements of ISO 6283 grade R9990 and ASTM B39-79.

Bulk density:  
Approx. 4.9 kg/dm<sup>3</sup>

*Materials Safety Data Sheet available upon request.*



The Quality Management System for the production of nickel products at Nikkelverk's refinery located in Kristiansand, Norway is ISO 9001, ISO 14001 and OHSAS 18001 registered.



NIKKELVERK NICKEL

CROWNS

## Standard Packaging



- 4 x 250 kg steel drums, net weight 1,000 kg, strapped to a skidded wooden pallet.



- 100 x 10 kg polyethylene bags, net weight 1,000 kg, packed in a skidded wooden box.