NT

PRODUCT DATA SHEET

VALE (INCO) NICKEL S ROUNDS®



SPEC NO: NT Vale Nickel Rev: 3 Date: 2015 Approved By:

Ben Ethernote

CHEMICAL COMPOSITION

MATERIAL: Electrolytic Nickel Anodes FORM/SHAPE: Vale Nickel S Rounds®

ASTM SPEC. #: ASTM B 39 MISC: Electrolytic Nickel

	•	Min.	Max.
Ni+Co	Nickel+Cobalt	99.96	
Co	Cobalt		<0.00005
C	Carbon		<0.0100
Cu	Copper		<0.0002
Pb	Lead		<0.00002
Fe	Iron		<0.0050
As	Arsenic		<0.0001
Zn	Zinc		<0.00005
S	Sulfur	0.019	- 0.0250

^{**} The above lab report is a typical analysis of the material

Vale S Rounds® electrolytic nickel is the world's most popular activated anode material with a unique shape that makes it ideal for plating with baskets. Activation is imparted by code-positing a small, controlled amount of sulfur with the nickel during the electrowining process. Inco S-Rounds electrolytic nickel has all the advantages associated with enhanced anode activity....smooth, uniform dissolution;100% anode efficiency in all nickel plating solutions, even those without chlorides; absence of metallic residues, and low dissolution potentials at high current densities. The lower resistance to current flow compared to sulfur-free nickel accounts for significant power and cost savings in the plating shop. The sulfur in this product does not enter the solution but forms an insoluble nickel sulfide residue that is retained in the anode bag where it acts to remove unwanted copper impurities from the plating solution. The advantages associated with its shape...improved settling in baskets, safe handling, improved flowability compared to squares of various sizes...combined with its enhanced anodic activity have made this versatile product the world's most popular activated anode material.

Please direct your sales and technical inquires to (215) 821-8461

Daryl Williams- daryl@nathantrotter.com

Quality Since 1789

NATHAN TROTTER & Co. Inc. 241 West Stewart Huston Drive • Coatesville, PA. 19320 Tel#: (215) 821-8461 • Fax#: (215) 701-0807 • www.nathantrotter.com