STANDARD GRADE NICKEL BRIQUETTES

Indicative Specification Sheet

Standard Grade Nickel Briquettes

Table 1 Chemical Analysis Specifications

Element	Specification wt%	Average wt%[1]	Maximum wt%[1]
Nickel[2]	99.80 Min	99.892	99.860 Min
Carbon	0.03 Max	0.005	0.007
Cobalt	0.15 Max	0.088	0.120
Copper	0.02 Max	0.002	0.008
Iron	0.02 Max	0.006	0.012
Sulphur	0.01 Max	0.004	0.005
Zinc	0.004 Max	0.0028	0.0039

[1] For purposes of determining conformance with these specifications, an observed value shall be rounded "to the nearest unit" in the last right-hand digit used in expressing the specification limit, in accordance with the rounding method of ASTM Practice E29, for Using Significant Digits in Test Data to Determine Conformance with Specifications.

[2] Determined by difference (100% less C, Co, Cu, Fe, and S content) For the period from 01-Oct-2018 to 30-Sep-2020.

Table 3 Physical Description

Dimensions	40 mm x 30 mm x 18 mm
Weight	Approximately 70 g each
Form	Briquette
Bulk Density	3 500 kg/m^3

Shipped from Canada

Standard Packaging

250 kg net steel drums; 7.0 kg drum tare weight
6 drums per 30" x 44" pallet

2,000 kg net polypropylene bag; 3.6 kg bag tare weight
1 bag per 40" x 44" pallet

Table 2.[3] Trace Elements
Oct. 1, 2018 – Sep. 30, 2020

	Average wt%	Maximum wt%
Aluminum	0.00304	0.00419
Antimony	<0.00001	<0.00001
Arsenic	0.00005	0.00008
Bismuth	<0.00001	<0.00001
Boron	<0.00007	0.00020
Cadmium	0.00048	0.00070
Calcium	<0.0001	<0.0001
Chromium	0.00011	0.00022
Gallium	<0.00001	<0.00001
Indium	<0.00001	<0.00001
Lead	<0.00001	<0.00001
Magnesium	<0.00005	<0.00005
Manganese	<0.00005	0.00007
Mercury	<0.00002	<0.00002
Molybdenum	0.00014	0.00100
Phosphorus	<0.0005	<0.0005
Selenium	0.00050	0.00092
Silicon	<0.0003	<0.0003
Silver	<0.00001	<0.00001
Tantalum	<0.00001	<0.00001
Tellurium	<0.00001	<0.00001
Thallium	0.00002	0.00004
Thorium	<0.00001	<0.00001
Tin	<0.00001	<0.00001
Titanium	<0.00001	0.00001
Tungsten	<0.00001	<0.00001
Uranium	<0.00001	<0.00001
Vanadium	<0.00001	<0.00001

[3] The above analyses are provided for informational purposes only. A sample from the powder feed from which the nickel briquettes and powders is produced is taken every 6 hours. The data provided is taken from analysis of weekly and monthly composites of this sample.

This issue supersedes all previous issues and typical data sheets for the product listed.

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