



GRADE A TIN PRODUCTS

- Cast Bars & Ingots - ¼ lb. to 5 lb.
- Ingots - 7 lb. bars to 50 lb. ingots
- Extruded Anodes– stars, ovals, bars, rods
- Cast Anodes– bars, D shaped
- Flat Tops- 1 5/8”

CERTIFICATION

- Only 100% virgin metals in our process
- Chemical analysis provided w/shipment
- Lab service available for pot samples

SPEC NO: NT Virgin Grade A Tin
Rev: 3 Date: 2015
Approved By:
Ben Etherington; VP, Operations

CHEMICAL COMPOSITION

MATERIAL: Grade A Tin
FORM/SHAPE: Grade A Tin
ASTM SPEC. #: ASTM B339-00
MISC: N/A

		Min.	Max.
Sn	Tin -----	99.952	
Sb	Antimony ----		<0.0195
Cu	Copper -----		<0.0042
Pb	Lead -----		<0.0143
Fe	Iron -----		<0.0011
As	Arsenic -----		<0.0009
Bi	Bismuth -----		<0.0019
Zn	Zinc -----		<0.0004
Al	Aluminum ----		<0.0004
Cd	Cadmium -----		<0.0002
Ni	Nickel -----		<0.0001
Ag	Silver -----		<0.0002

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

PHYSICAL PROPERTIES

Melting Temp (°F) - 450
Melting Temp (°C) - 232
Pouring Temperature (°F) - 575-625
Boiling Point (°F) - 4118
Boiling Point (°C) - 2270
Density (lbs/in³) - 0.264
Specific Gravity (g/m³) - 7.30
Brinell Hardness - 4.6
Tensile Strength (tons./in.²) - 0.94

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

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