

# Bay Carbon Inc.



Bay City, Michigan

## Spectrochemical Analysis Report

Wednesday, November 13, 2024

**Customer:**  
**P.O. Number:**  
**P/N:**  
**Material:**  
**Lot Number:**  
**Quantity:**

Impurities	PPM Concentration	Wavelength (A°)	Detection Limits, PPM
Aluminum	0	309.271	.27
Boron	0	249.773	.36
Calcium	0	396.847	.32
Chromium	0	283.563	.26
Copper	0	324.754	.03
Iron	0	259.940	.27
Lead	0	283.306	.37
Magnesium	0	279.553	.09
Manganese	0	259.373	.02
Nickel	0	300.249	.17
Silver	0	328.068	.07
Silicon	1	251.612	.25
Tin	0	283.999	.25
Titanium	0	323.657	.58
Vanadium	0	311.838	.78
Zinc	0	280.087	.06

The (0) values indicate nothing detected or less than zero.

All tests were performed on an ATOMCOMP 2000 DC Arc Spectrometer using a cathode-enriched layer excited by 11.9 amps. D.C. current. The CID (charge injection Device) detector is a single solid-state chip with over 250,000 light-sensitive detector elements (pixels), providing continuous wavelength coverage from 190 to 800 nm. In this method a stallwood jet was used. This apparatus surrounds the electrode with inert gas in order to stabilize the arc and to reduce CN (cyanogens) banding.

**Spectroscopist:** Richard A. Sermon

**Standards:** MV Laboratories Inc.

**Method:** BC-W802A

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