Sibneotech LLC
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To: To the interested parties
From: Sibneotech LLC
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EXTRA PURE OXYGEN-FREE COPPER
Chemical composition Cu: 99.9995 – 99.9999 % (according to ASTM B170)
Electrical conductivity G: 104 – 105 % IACS

We have conducted preliminary research and experimental work and have created predictably functioning experimental equipment and an experimental product of guaranteed quality. We used unique equipment made by ourselves or according to our drafts and requirements specification and have produced **Extra Pure Oxygen-Free Copper** in ingots. Our results are stable and guaranteed.

More information on our product and about us can be viewed on our website (www.sibneotech.com/en/). The product is unique in its characteristics and is probably the best or one of the best in the world in terms of its chemical purity and physical characteristics (Electrical and Thermal conductivity).

For example, the Sigma - Aldrich catalogue (www.sigmaaldrich.com) lists copper rods as, "Cu 99.9999% trace metals basis" http://www.sigmaaldrich.com/catalog/product/aldrich/365327?lang=en&region=RU
The resistivity of such "Cu 99.9999%" is listed as 1.673 μΩ*cm at 20°C, which is equal to a G (Electrical conductivity) of only ~ 103.06% IACS. Most likely that product is ~99.995-8% if measured correctly according to ASTM B170. Some sources assert that for very pure "correct copper of 99.999%", the electrical conductivity should not be less than ~103.4-6% IACS.
Electrical conductivity of our product is 104-105% IACS (see our website, "Documents / G - %IACS").

Additional differences of our copper compared to other products will be at low temperatures, with the greatest differences somewhere in the interval of 5-20K (Electrical and Thermal conductivity). For laser mirrors, some characteristics are even in the interval of 5-50K. In various areas of uses, these differences can have different benefits and can have large price differences.

There are many offers of Cu 5N-9N on the market. Often they are not Cu 5N, and even not Cu 4N according to GOST 859-2001 (Russia), ASTM B170 (USA). The information about **Cu 5N-9N** is on our website ("Home" and "Product") and in particular in "Documents/About Cu 5-9N".
You can see similar information about **N** in https://www.ameslab.gov/mpc/purityFAQ

Our products are not laboratory samples and we can offer lots of up to 50 kg at one time and then afterwards discuss future deliveries. We sincerely hope our copper can be of interest to you or your partners.

Please let us know in what area of use and what price would be of interest? It would also be fine if you make a cost examination of our product. We cannot find analogues on quality.

If there is a mutual interest, we are ready to cooperate.

Our copper is very pure and is close to theoretical copper according to its physical characteristics.

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