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The following document should be regarded as an overview of information available in the public domain. It is NOT the outcome of thorough research and analysis. The information should therefore be interpreted with caution. It should also be noted that these documents are regarded to be `*work in progress*`. Hence, information provided could be incomplete.

METALS USED IN A MOBILE PHONE

The following table gives an overview of the metals used in an average mobile phone. It should be noted that the data in this table is gathered from a number of sources available online, and not on makeITfair's own research. While it should therefore be regarded as an overview of available knowledge, makeITfair cannot guarantee that all information is fully correct, or still applicable for current-day mobile phones. This table should therefore be interpreted with caution, and regarded as an indication of the use of metals in this consumer product. More research would be needed to give a fully accurate account.

What metal?	What is it used for?	How much is in it?
Aluminium	• Covers • Frame • Battery • Circuitboard	3-20 %*
Antimony	• Case	< 0.1%
Barium	• Circuit board	<0.1%
Beryllium	• Connectors	<0.1%
Cobalt	• Lithium-ion battery	4%
Copper	• Circuit board • Wires • Connectors • Batteries	15%
Chromium**	• Case, frame	<1%, more than 0,1%
Gallium	• LEDs	<0.1%
Gold	• Electronic system • Contacts • Connectors • Circuitboard	<0.1%
Indium	• Screen	
Lead	• Circuitboard	<0.1%
Manganese	• Circuitoard • Case	0.1-20 %*
Nickel	• Battery	10%
Palladium	• Circuit board	<0.1%
Platinum	• Circuit Board	<0.1%
Ruthenium	• Circuit board	<0.1%
Rare Earths	• Battery	<0.1%
Silver	• Circuit board	<1%, more than 0,1%

	• Keypad	
Strontium	• Circuitboard	<0.1%
Sulfur	• Circuit board • Battery	<0.1%
Tantalum	• Circuit board	<1%, more than 0,1%
Tin	• Circuit board	1%
Titanium	• Case • Frame	<1%, more than 0,1%
Tungsten	• Circuit board	<1%, more than 0,1%
Yttrium	• Circuit board	<0.1%
Zinc	• Circuit board	<1%, more than 0,1%
Zirconium	• Circuit board	<0.1%

* The amount depends on whether the cover is made of aluminium

** This metal is used in an alloy, meaning that it is combined with another metal

Sources:

- Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal, Mobile Phone Partnership Initiative, "Guideline on Material Recovery and Recycling of End-of-Life Mobile Phones" (Approved Draft). Mobile Phone Partnership Initiative Project 3.1. March 20, 2006.p. 12