

# Certificate of analysis

Product No.: 12957  
Product: Nickel lump, vacuum remelted, low Oxygen,  
99.97% (metals basis)  
Lot No.: T22A019

Ni > 99.97 %

Al	< 5 ppm	Ca	< 5 ppm
Co	< 5 ppm	Mg	< 5 ppm
Mn	< 5 ppm	Fe	< 5 ppm
Si	31 ppm	Cu	20 ppm
O	297 ppm	N	< 10 ppm

Oxygen and nitrogen determined by LECO  
All other elements determined by ICP-OES

This document has been electronically generated and does not require a signature.