

J. Word.

Olivine #14 or 13 (?) Noumea, New Caledonia

Fo mole %	91.1
SiO ₂	41.32
TiO ₂	0.01
Al ₂ O ₃	0.00
Fe ₂ O ₃	0.30
FeO	7.49
MnO	0.15
MgO	49.56
CaO	0.29
H ₂ O ⁺	} 0.60
H ₂ O ⁻	
F	N.D.
Cr ₂ O ₃	0.04
P ₂ O ₅	N.D.
Na ₂ O	0.01
K ₂ O	0.00
NiO	0.31
CoO	0.011
<hr/> Total	<hr/> 100.09

Ref: Yoder & Sahama, 1957, Amer Min 42, pp 475-491

Analyst: M.D. Foster. Alkalies determined with flame photometer by S.M. Berthold. (C.S. Ross, 1954, Amer Min 39, pp 706-707)

Not homogeneous; unacceptable as standard.