

Olivine - Marjalahti

J.V. Smith's number YS 24

(YS = Yoder and Sahama)

First analysis taken from Yoder and Sahama, (1957), Am. Min., p. 402; second column from Smith, (1966), Jour. Geol. p. 9 (probe analysis)

SiO ₂	40.24	40.3
TiO ₂	0.00	0.0
Al ₂ O ₃	0.01	
Fe ₂ O ₃	0.68	-
FeO	10.92	11.4
MnO	0.28	0.3
MgO	48.08	47.4
CaO	0.00	0.0
H ₂ O(+)	0.00	
H ₂ O(-)	0.04	
Cr ₂ O ₃	0.07	0.1
	<hr/>	<hr/>
	100.32	99.5

Further reference: Jones, Ribbe and Gibbs, Am. Min. (in press)

obtained from P. Ribbe, Fall 1968.

mole % forsterite: 87.8

