



*National Museum of Natural History • Smithsonian Institution*

WASHINGTON, D.C. 20560 • TEL. 202-

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Dear Microprobe User:

Our records show that in the past you received from us the Kakanui augite microprobe standard. We have been aware for some time that the aluminum value in this standard is suspect. Recently an analysis of this material was completed in our laboratory and it indeed shows a discrepancy for aluminum and iron. Attached is a table with the new aluminum and iron results. Please correct your records.

Sincerely,

Eugene Jarosewich  
Chemist

Department of Mineral Sciences

Kakanui Augite

New values for  $\text{Al}_2\text{O}_3$ ,  $\text{Fe}_2\text{O}_3$ , and  $\text{FeO}$

$\text{SiO}_2$	50.73
$\text{Al}_2\text{O}_3$	8.73*
$\text{Fe}_2\text{O}_3$	1.08*
$\text{FeO}$	5.37*
$\text{MgO}$	16.65
$\text{CaO}$	15.82
$\text{Na}_2\text{O}$	1.27
$\text{TiO}_2$	0.74
$\text{MnO}$	<u>0.13</u>
Total	<u>100.52</u>
Total Fe as $\text{Fe}_2\text{O}_3$	7.05*

\*Analyst: J. Norberg