







usefulness for a  $\text{TiO}_2 - \text{K}_2\text{O} - \text{P}_2\text{O}_5$  plot  
 is  $A \leq 20\%$

78614 :

$$\begin{aligned}
 A &= 2.8\% + 0.100 \\
 &= 2.9\% \\
 F &= 11\% \\
 M &= 7.4\%
 \end{aligned}
 \left. \vphantom{\begin{aligned} A \\ F \\ M \end{aligned}} \right\} 21.3 \quad \text{ok.}$$

normalized to 100% :

$$\begin{aligned}
 A &= 13.6 \\
 F &= 51.87 \\
 M &= 34.7
 \end{aligned}$$

78615 :

$$\begin{aligned}
 A &= 4.3 + 0.1 \\
 &= 4.4 \\
 F &= 15.4 \\
 M &= 5.5
 \end{aligned}
 \left. \vphantom{\begin{aligned} A \\ F \\ M \end{aligned}} \right\} 25.3 \quad \text{ok}$$

in norms :

$$\begin{aligned}
 A &= 17.4 \\
 F &= 60.9 \\
 M &= 21.7
 \end{aligned}$$

78616 :

$$\begin{aligned}
 A &= 4.14 + 0.2 \\
 &= 4.3 \\
 F &= 12.7 \\
 M &= 6.2
 \end{aligned}
 \left. \vphantom{\begin{aligned} A \\ F \\ M \end{aligned}} \right\} 23.2 \quad \text{ok}$$

in norms :

$$\begin{aligned}
 A &= 13.6 \\
 F &= 54.7 \\
 M &= 26.7
 \end{aligned}$$

78617 :

$$\begin{aligned}
 A &= 3.4 + 0.2 \\
 &= 3.6 \\
 F &= 12.3 \\
 M &= 7.0
 \end{aligned}
 \left. \vphantom{\begin{aligned} A \\ F \\ M \end{aligned}} \right\} 22.9 \quad \text{ok}$$

in norms :

$$\begin{aligned}
 A &= 15.7 \\
 F &= 53.7 \\
 M &= 30.6
 \end{aligned}$$

2. 78618 :  $A = 3.6 + 0.1$   
 $= 3.7$   
 $F = 14.9$   
 $M = 7.15$  } 25.75  
 ∴ norms are:  $A = 14.4$   
 $F = 57.89$  ✓  
 $M = 27.8$  M.

78619 :  $A = 4. + .1$   
 $= 4.1$   
 $F = 19.3$   
 $M = 7.0$  } 29.4  
 ∴ norms are:  $A = 13.7$   
 $F = 62.2$  ✓  
 $M = 23.8$  M.

78620 :  $A = 3.3 + .1$   
 $= 3.4$   
 $F = 22.9$   
 $M = 7.6$  } 33.9. M.  
 ∴ norms are:  $A = 10.0$   
 $F = 67.6$  ✓  
 $M = 22.4$

78621  $A = 4.2 + 0.3$   
 $= 4.5$   
 $F = 15.9$   
 $M = 6.5$  } 26.9 M.  
 ∴ norms =  $A = 16.7$   
 $F = 59.1$  ✓  
 $M = 24.2$

78622  $A = 3. + 0.1$   
 $= 3.1$   
 $F = 21.4$   
 $M = 7.8$  } 32.3 M.  
 ∴ norms are:  $A = 9.6$   
 $F = 66.3$  ✓  
 $M = 24.1$

78623  $A = 3.7 + 0.1$   
 $= 3.8$   
 $F = 26.3$   
 $M = 7.0$  } 34.1 M.  
 ∴ norms:  $A = 12.2$   
 $F = 65.3$  ✓  
 $M = 22.5$



78624 :

$$\begin{aligned}
 A &= 4.1 + 0.1 \\
 &= 4.2 \\
 F &= 14.0 \\
 M &= 7.2
 \end{aligned}
 \left. \vphantom{\begin{aligned} A \\ F \\ M \end{aligned}} \right\} 25.4$$

norms acc:  $A = 16.5$   
 $F = 55.1$  ✓  
 $M = 28.4$

R

78625 :

$$\begin{aligned}
 A &= 4.2 + 0.1 \\
 &= 4.3 \\
 F &= 12.9 \\
 M &= 7.95
 \end{aligned}
 \left. \vphantom{\begin{aligned} A \\ F \\ M \end{aligned}} \right\} 25.15$$

norms acc:  $A = 17.1$   
 $F = 51.3$  ✓  
 $M = 31.6$

R

78628 :

$$\begin{aligned}
 A &= 3.1 \\
 F &= 14.0 \\
 M &= 7.2
 \end{aligned}
 \left. \vphantom{\begin{aligned} A \\ F \\ M \end{aligned}} \right\} 24.3$$

norms =  $A = 12.8$   
 $F = 57.6$  ✓  
 $M = 29.6$

R

79627 :

$$\begin{aligned}
 A &= 4.8 \\
 F &= 17.4 \\
 M &= 5.6
 \end{aligned}
 \left. \vphantom{\begin{aligned} A \\ F \\ M \end{aligned}} \right\} 27.8$$

norms =  $A = 17.3$  ✓  
 $F = 62.6$   
 $M = 20.1$

R

79628 :

$$\begin{aligned}
 A &= 4.0 \\
 F &= 22.4 \\
 M &= 5.7
 \end{aligned}
 \left. \vphantom{\begin{aligned} A \\ F \\ M \end{aligned}} \right\} 32.1$$

norms =  $A = 12.5$   
 $F = 69.8$  ✓  
 $M = 17.7$

R

79629 :

$$\begin{aligned}
 A &= 4.0 \\
 F &= 26.3 \\
 M &= 5.1
 \end{aligned}
 \left. \vphantom{\begin{aligned} A \\ F \\ M \end{aligned}} \right\} 35.4$$

norms =  $A = 11.3$   
 $F = 74.3$  ✓  
 $M = 14.4$

R

79630 :

$$\begin{aligned}
 A &= 4.2 \\
 F &= 17.9 \\
 M &= 7.5
 \end{aligned}
 \left. \vphantom{\begin{aligned} A \\ F \\ M \end{aligned}} \right\} 29.6$$

norms =  $A = 14.2$  ✓  
 $F = 60.5$   
 $M = 25.3$

R

79631 :

$$\left. \begin{array}{l} A = 5.9 \\ F = 11.4 \\ M = 4.15 \end{array} \right\} 21.45$$

$$\therefore \text{norms} = \left. \begin{array}{l} A = 27.5 \\ F = 53.1 \\ M = 19.4 \end{array} \right\} \checkmark$$

no

79632 :

$$\left. \begin{array}{l} A = 4.1 \\ F = 16.4 \\ M = 7.75 \end{array} \right\} 28.25$$

$$\therefore \text{norms} = \left. \begin{array}{l} A = 14.5 \\ F = 58.1 \\ M = 27.4 \end{array} \right\} \checkmark$$

oh

79633 :

$$\left. \begin{array}{l} A = 4.4 \\ F = 15.9 \\ M = 5.9 \end{array} \right\} 26.2$$

$$\therefore \text{norms} = \left. \begin{array}{l} A = 16.8 \\ F = 60.7 \\ M = 22.5 \end{array} \right\} \checkmark$$

oh

\* 79634 :

$$\left. \begin{array}{l} A = 5.5 \\ F = 8.4 \\ M = 5.45 \end{array} \right\} 19.35$$

$$\therefore \text{norms} = \left. \begin{array}{l} A = 28.4 \\ F = 43.4 \\ M = 28.2 \end{array} \right\} \checkmark$$

no

79635

$$\left. \begin{array}{l} A = 3.4 \\ F = 21.2 \\ M = 7.6 \end{array} \right\} 32.2$$

$$\text{norms} = \left. \begin{array}{l} A = 16.6 \\ F = 65.8 \\ M = 23.6 \end{array} \right\} \checkmark$$

oh

79636

$$\left. \begin{array}{l} A = 3.4 \\ F = 10.4 \\ M = 5.8 \end{array} \right\} 19.6$$

$$\text{norms} = \left. \begin{array}{l} A = 17.3 \\ F = 53.1 \\ M = 29.6 \end{array} \right\} \checkmark$$

oh

79637

$$\left. \begin{array}{l} A = 3.9 \\ F = 13.0 \\ M = 7.0 \end{array} \right\} 23.9$$

$$\text{norms} = \left. \begin{array}{l} A = 16.3 \\ F = 54.4 \\ M = 29.3 \end{array} \right\} \checkmark$$

oh



79638

$$\left. \begin{array}{l} A = 2.2 \\ F = 11.9 \\ M = 9.0 \end{array} \right\} 23.1$$

$$\begin{array}{l} \text{norms} = A = 9.5 \\ F = 51.5 \checkmark \\ M = ~~38~~ 39.0 \end{array}$$

ok

79639

$$\left. \begin{array}{l} A = 2.8 \\ F = 16.2 \\ M = 5.4 \end{array} \right\} 24.4$$

$$\begin{array}{l} \text{norms} = A = 11.5 \checkmark \\ F = 60.4 \\ M = 22.1 \end{array}$$

ok

79640

$$\left. \begin{array}{l} A = 3.1 \\ F = 15.7 \\ M = 7.2 \end{array} \right\} 26.0$$

$$\begin{array}{l} \therefore \text{norms} = A = 11.9 \checkmark \\ F = 60.4 \\ M = 27.7 \end{array}$$

ok

79641

$$\left. \begin{array}{l} A = 3.6 \\ F = 14.7 \\ M = 7.25 \end{array} \right\} 25.55$$

$$\begin{array}{l} \therefore \text{norms} = A = 14.1 \\ F = 57.5 \checkmark \\ M = 28.4 \end{array}$$

ok

79642

$$\left. \begin{array}{l} A = 0.4 \\ F = 45.5 \\ M = 2.35 \end{array} \right\} 48.25$$

$$\begin{array}{l} \therefore \text{norms} = A = 0.8 \\ F = 94.3 \checkmark \\ M = 4.9 \end{array}$$

ok

79643

$$\left. \begin{array}{l} A = 3.0 \\ F = 15.9 \\ M = 8.05 \end{array} \right\} 26.95$$

$$\begin{array}{l} \therefore \text{norms} = A = 11.1 \\ F = ~~58~~ 59.0 \checkmark \\ M = 29.9 \end{array}$$

ok

79644

$$\left. \begin{array}{l} A = 3.9 \\ F = 14.7 \\ M = 6.3 \end{array} \right\} 24.9$$

$$\begin{array}{l} \text{norms} = A = 15.7 \\ F = 59.0 \checkmark \\ M = 25.3 \end{array}$$

ok