

## Chemical Analysis of Eppawala Deposit (%)

	1	2	3
P <sub>2</sub> O <sub>5</sub>	37.0	36.4	36.4
CaO	49.1	48.3	48.5
Fe <sub>2</sub> O <sub>3</sub>	4.29	4.6	4.8
Al <sub>2</sub> O <sub>3</sub>	1.38	1.9	1.9
MgO	0.05	0.13	0.20
Na <sub>2</sub> O	0.14	0.18	0.14
F	2.40	2.5	2.6
Cl	0.63	1.05	1.1
Co <sub>2</sub>	1.14	1.0	1.2
SiO <sub>2</sub>	1.03	1.0	0.8
MnO <sub>2</sub>	0.44	-	0.67
TiO <sub>2</sub>	0.90	0.42	0.66
SrO	0.04	0.70	0.38
BaO	0.007	0.25	0.15
CrO	0.028	0.02	0.01
Cr	0.01	0.01	0.01
Cu	0.01	0.01	0.01
As	-	-	0.004
U	-	-	0.0018
Cd	-	-	0.0005
V	0.001	0.01	0.0004
Hg Hg <sub>2</sub>	-	-	0.10
Fa	-	-	0.10
Total carbon	-	-	0.58
Total Sulphur	-	-	0.03
Sulphate Sulphur	-	-	0.03
NAC soluble P <sub>2</sub> O <sub>5</sub>	-	-	2.8

*Source: International Fertilizer Development Center (IFDC) – 1980.*

## General Chemical Formula

Rock Phosphate – Ca<sub>5</sub> (PO<sub>4</sub>)<sub>3</sub> (OH,F,Cl)

## Apatite Crystal

