



**PRODUCT INFO
& DATASHEET**

BIO-SOFTROCK

4/05/2017

BIO-SOFTROCK 63/65 BPL - Natural Rock Phosphate 63-65 %, min. 28% P2O5, min. 48.30 % CaO

* CHEMICAL ANALYSIS (ON DRIED AT 105 +/- 8 °C)

Elements	Result as per contract specification	Laboratory result	Elements & traces	Value in ppm
H ₂ O	0.90 – 1.00 %	1.00 %	Cadmium (Cd)	15
P ₂ O ₅	28.00 – 29.00 %	29.25 %	Zinc (Zn)	110
CO ₂	7.20 – 7.80 %	7.50 %	Lead (Pb)	15
CaO	48.30 – 49.00 %	48.76 %	Coper (Cu)	20
MgO	1.10 – 1.50 %	1.43 %	Arsenic (As)	6.5
Fe ₂ O ₃	0.35 – 0.40 %	0.37 %	Chrome (Cr)	140
Al ₂ O ₃	0.35 – 0.40 %	0.38 %	Nickel (Ni)	12.5
SiO ₂	2.50 – 3.00 %	2.72 %	Manganese (Mn)	10-12
SO ₃	2.50 – 3.00 %	2.55 %	Mercure (Hg)	<5
NA ₂ O	1.10 – 1.20 %	1.12 %	Selenium (Se)	32
K ₂ O	0.09 – 0.10 %	0.10 %	Vanadium (Va)	40-45
F	3.50 – 3.60 %	3.55 %	Strontium (Sr)	1300-1500
Heat Waste (deduced)	2.80 – 3.20 %	2.82 %	Molybenum (Mo)	7
Cl (ppm)	400 – 500	420 ppm	Argent (Ag)	<5
C-Org	0.10 – 0.20 %	0.20 %	Cobalt (Co)	<5
P ₂ O ₅ soluble in 2% Citric Acid	10.00 – 11.00 %	9.85 %	Titane (Ti)	200-250
P ₂ O ₅ soluble in 2% Formic Acid	18.00 – 21.00 %	18.10 %	Antimoine (Sb)	10-15
			Uranium (U)	40-70

* GRANULOMETRY

BIO-SOFTROCK 63/65		BIO-SOFTROCK 66/68	
Sieve (micron)	Under size %	Sieve (micron)	Under size %
200	71.70	200	59.07
160	14.22	160	19.80
125	6.80	125	14.17
100	2.30	100	4.01
80	3.22	80	1.19
<80	1.76	<80	1.76
Total	100	Total	100

BIO-SOFTROCK 66/68 BPL - Natural Rock Phosphate 66-68 %, min. 30% P2O5, min. 50 % CaO

* CHEMICAL ANALYSIS (ON DRIED AT 105 +/- 8 °C)

Elements	Result as per contract specification	Laboratory result	Elements & traces	Value in ppm
H ₂ O	0.50 – 2.00 %	1.41 %	Cadmium (Cd)	18
P ₂ O ₅	30.00 – 30.20 %	29.99 %	Zinc (Zn)	13.5
CO ₂	6.00 – 6.30 %	6.80 %	Lead (Pb)	17.5
CaO	50.00 – 51.00 %	50.62 %	Coper (Cu)	21.5
MgO	0.75 – 1.00 %	0.99 %	Arsenic (As)	7.5
Fe ₂ O ₃	0.30 – 0.40 %	0.38 %	Chrome (Cr)	130
Al ₂ O ₃	0.40 – 0.50 %	0.42 %	Nickel (Ni)	12.5
SiO ₂	2.50 – 3.00 %	2.40 %	Manganese (Mn)	10-12
SO ₃	2.50 – 3.00 %	2.80 %	Mercure (Hg)	<5
NA ₂ O	1.10 – 1.30 %	1.14 %	Selenium (Se)	33
K ₂ O	0.07 – 0.10 %	0.10 %	Vanadium (Va)	40-45
F	3.65 – 3.80 %	3.65 %	Strontium (Sr)	1300-1500
Heat Waste (deduced)	2.50 – 3.00 %	2.81 %	Molybenum (Mo)	8
Cl (ppm)	400 – 500	418 ppm	Argent (Ag)	<5
C-Org	0.10 – 0.20 %	0.20 %	Cobalt (Co)	<5
P ₂ O ₅ soluble in 2% Citric Acid	9.00 – 10.00 %	10.25 %	Titane (Ti)	200-250
P ₂ O ₅ soluble in 2% Formic Acid	18.00 – 20.00 %	19.50 %	Antimoine (Sb)	10-15
			Uranium (U)	40-70

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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