

ROCK PHOSPATE

MATERIAL SPECIFICATIONS

Bone Phosphate of Lime (BPL Grade): 73-75%
Phosphorus Pentoxide (P₂O₅): 33.41 % Min
Calcium Oxide (CaO) : 51 % Max
CaO/P₂O₅ Ratio : 1.48-1.55
Total Silica (TSiO₂) : 4.00 % Max
Active Silica : 2.00 % Min
Active Silica to Fluorine
ratio : 0.50 % Min
Carbon Dioxide (CO₂) : 5.00 % Max
Fluorine (F) : 3.90 % Max
Chlorine (Cl) : 0.04 % Max
Iron Oxide + Aluminium Oxide
(Fe₂O₃ + Al₂O₃) : 0.35-0.80 %
Organic Matter as C : 0.25 % Max
Sulphur Trioxide (SO₃) : 1.40 % Max
Sodium Oxide (Na₂O) : 0.60 % Max
Potassium Oxide (K₂O) : 0.05 % Max
Magnesium Oxide (MgO) : 0.35 % Max
Moisture : 3.00-5.00 %
Tyler Mesh Size Analysis
+4 : 0-2 %
-4 + 100 : 70 - 80 %
-100 + 200 : 15 - 30 %
-200 : 2-6 %
Arsenic (As) : 7 ppm Max
Cadmium (Cd) : 5 ppm Max
Chromium (Cr) : 100 ppm Max
Mercury (Hg) : 2 ppm Max
Lead (Pb) : 2 ppm Max
Uranium (U) : 80 ppm Max
Vanadium (V) : 70 ppm Max
Any other Trace : N.D ppm Max
Loss of Ignition (LOI) @900 Deg Cent.: 8.00 % Max
Bulk Density : 1.40 - 1.60

TOTAL ANNUAL QUANTITY : 65000 MTS

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TECHNICAL SPECIFICATION :-

P2O5 :- 29.71 - 30.66 %
BPL (BONE PHOSPHATE OF LIME) :-
65 - 67%
CAO :- 47.0 - 49.0%
T.SIO2 :- 12.0-14.0%
CO2 :- 4 - 5.5%
F:- 3.5 - 4%
CL:- 0.06 - 0.1%
FE2O3:- 0.2 - 0.6%
AL2O3 :- 0.3 - 0.6%
ORGANIC MATTER AS CARBON:-
0.12 - 0.2
SO3:- 1.1 -1.4%
NA2O:- 0.45 - 0.6%
K2O:- 0.03 - 0.05%
MGO:- 0.25 - 0.4 %
H2O:- 5% MAX
ZN:- 200PPM
CU:- 50PPM
NI:- 50PPM
CR:- 121PPM
AS :- 8 PPM
CD :- 8 PPM
PB :- 8 PPM
VANADIUM:- 90 PPM
SI ACTIVE:- 5000PPM
TOC:- 0.2%
LOD:- 5%H2O MAX
TYLER MESH:-
+4 :- 1 -4 %
-4 +100 :- 65 -83%
-100 + 200 :- 15 - 20%
-200 :- 3 -8%

TOTAL ANNUAL QUANTITY : 90000 MTS