

TYPICAL AVERAGED ANALYSIS

Product Specifications	Paradise South Beneficiated Rock Concentrate	D-Tree High Grade Organic Phosphate Rock (DSO)	D-Tree ROM Phosphate Rock
Phosphate (P ₂ O ₅)	34.50%	29-36%	13.80%
Calcium Oxide (CaO)	47.00%	40.41%	18.80%
Silica (SiO ₂)*	8.0%	18.34%	49.40%
Magnesium Oxide (MgO)	0.30%	0.24%	0.36%
Aluminium Oxide (Al ₂ O ₃)	1.0%	2.87%	4.60%
Iron Oxide (Fe ₂ O ₃)	2.80%	2.72%	6.40%
Iron & Aluminium (R ₂ O ₃)**	3.8%	5.59%	11.00%
Minor Element Ratio (MER)	0.12	0.20	0.82
Fluoride (F)	3.28%	2.64%	1.57%
Sulphate (SO ₄)	0.10%	0.38%	nm
Manganese Oxide (MnO ₂)	0.3%	0.39%	0.71%
Sodium Oxide (Na ₂ O)	0.17%	0.14%	0.09%
Potassium Oxide (K ₂ O)	0.08%	0.45%	0.99%
Chloride (Cl)	<0.01%	0.02%	nm
Organic Carbon (TOC)	0.04%	0.04%	0.04%
Loss on Ignition (LOI)	1.91%	1.93%	2.02%
Carbonate (CaCO ₃)	3.3%	nm	nm
Carbon Dioxide (CO ₂)	1.51%	1.03%	nm
Cadmium (Cd)	6.50 ppm	2.5 ppm	1.2 ppm
Uranium (U)	24 ppm	20 ppm	16.0 ppm
Lead (Pb)	140 ppm	104 ppm	140 ppm
Bone Phosphate of Lime (BPL)	75.38	64.47-78.86%	30.16%
CaO/P ₂ O ₅	1.36	1.37	1.35
Reactive Silica	0.65%	0.98%	Nm
Reactive Fe	0.19%	0.12%	Nm
Moisture	3-5%	3-5%	3-5%

*Silica content is inert and presents no grindability issues

**R₂O₃ content is minimal and contains negligible impurities. Full specifications are available upon request