



SWEP
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**ANALYTICAL
LABORATORIES**

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REPORT ON SAMPLE OF SOLID FERTILISER

FILE NO : 2307178911



DATE ISSUED : 4/08/2023



CLIENT ID : 
PHONE : 

REFERENCE :

SAMPLE ID : AUSSIE WOOL PETTETS
ANALYSIS REQUIRED : Full (FT-2)

REFERENCE ID : 
PHONE : 
DATE RECEIVED : 27/07/2023
SOURCE :

| ITEMS | ABBREVIATION | UNIT | RESULTS | ANALYTICAL METHODS |
|-------------------------|--------------|-------|--------------|-------------------------------|
| TOTAL NITROGEN | N | % | 10.3 | Dumas method, 7A5* |
| TOTAL PHOSPHORUS | P | % | 0.0705 | Acid digestion, ICPAES |
| TOTAL POTASSIUM | K | % | 5.07 | Acid digestion, ICPAES |
| TOTAL SULPHUR | S | % | 2.23 | Acid digestion, ICPAES |
| TOTAL CALCIUM | Ca | % | 0.201 | Acid digestion, ICPAES |
| TOTAL MAGNESIUM | Mg | % | 0.0865 | Acid digestion, ICPAES |
| TOTAL SODIUM | Na | % | 0.418 | Acid digestion, ICPAES |
| TOTAL IRON | Fe | ppm | 3700 | Acid digestion, ICPAES |
| TOTAL MANGANESE | Mn | ppm | 87.5 | Acid digestion, ICPAES |
| TOTAL ZINC | Zn | ppm | 108 | Acid digestion, ICPAES |
| TOTAL COPPER | Cu | ppm | 7.08 | Acid digestion, ICPAES |
| TOTAL COBALT | Co | ppm | 1.64 | Acid digestion, ICPMS |
| TOTAL BORON | B | ppm | 4.32 | Acid digestion, ICPAES |
| TOTAL MOLYBDENUM | Mo | ppm | 0.781 | Acid digestion, ICPMS |
| pH | 1:5 Water | | 8.7 | Method 4A1, water suspension* |
| Electrical Conductivity | | µS/cm | 13440 | Method 3A1, water extract* |
| TOTAL ORGANIC CARBON | OC | % | 42.8 | Method 6B2, LECO* |
| MOISTURE CONTENT | MC | % | 13 | Gravimetric method |
| CARBON / NITROGEN RATIO | C/N | | 4.16 | Calculation |
| Chloride | Cl | ppm | Not required | Method 5A1, water extract* |
| TOTAL SELENIUM | Se | ppm | Not required | Acid digestion, ICPMS |
| TOTAL CADMIUM | Cd | ppm | Not required | Acid digestion, ICPMS |
| TOTAL MERCURY | Hg | ppm | Not required | Acid digestion, ICPMS |
| TOTAL LEAD | Pb | ppm | Not required | Acid digestion, ICPMS |
| TOTAL ARSENIC | As | ppm | Not required | Acid digestion, ICPMS |
| TOTAL NICKEL | Ni | ppm | Not required | Acid digestion, ICPMS |
| TOTAL CHROMIUM | Cr | ppm | Not required | Acid digestion, ICPMS |

* Rayment, G.E. & Lyons, D.J. (2011). Soil Chemical Methods - Australasia. CSIRO Publishing, 150 Oxford Street, Collingwood Vic 3066, Australia