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Please quote above code for all enquiries

SECANIM LTD

SLUDGE

SLURRY/SLUDGE ANALYSIS RESULTS (Metric Units)

Sample Reference : SECANIM ACTIVATED

Sample Matrix : SLURRY/SLUDGE

The sample submitted was of adequate size to complete all analysis requested.

The sample will be kept under refrigeration for at least 3 weeks.

Laboratory References

Report Number 60150
Sample Number 110842

Date Received 20-JUL-2021

Date Reported 23-JUL-2021

ANALYTICAL RESULTS *on 'as received' basis.*

Determinand on a fresh weight basis	Units	Result	Amount per fresh tonne or m3	Amount applied at an equivalent total Nitrogen application of 250 kg N/ha	Units
pH 1:6 [Fresh]		7.45			
Oven Dry Solids	%	1.14	11.40	4071	kg DM
Total Kjeldahl Nitrogen	% w/w	0.070	0.70	250	kg N
Ammonium Nitrogen	mg/kg	27.0	0.03	9.64	kg NH4-N
Nitrate Nitrogen	mg/kg	<10	< 0.01		kg NO3-N
Total Phosphorus (P)	mg/kg	120	0.27	98.14	kg P2O5
Total Potassium (K)	mg/kg	178	0.21	76.29	kg K2O
Total Magnesium (Mg)	mg/kg	22.7	0.04	13.46	kg MgO
Total Sulphur (S)	mg/kg	443	1.11	395.53	kg SO3
Total Copper (Cu)	mg/kg	0.773	< 0.01		kg Cu
Total Zinc (Zn)	mg/kg	2.14	< 0.01		kg Zn
Total Sodium (Na)	mg/kg	1298	1.75	624.89	kg Na2O
Total Calcium (Ca)	mg/kg	146	0.15	52.14	kg Ca
Equivalent field application rate		—	1.00	357.14	tonnes or m3 / ha

The above equivalent field application rate for total nitrogen of 250 kg/ha has been provided purely for guidance purposes only.

Organic manures should be used in accordance with the Defra Code of Good Agricultural Practice and where required within the specific regulatory guidance for the spreading of that material to land. To get the most benefit from your organic manures it is recommended that you follow the principles as set out in Defra's Fertiliser Manual (RB209) or as directed by a FACTS qualified adviser.

Released by Myles Nicholson

Date 23/07/21



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ANALYTICAL RESULTS *on 'as received' basis.*

Determinand on a fresh weight basis	Units	Result
Conductivity 1:6	uS/cm	1045
Total Lead (Pb)	mg/kg	<0.5
Total Cadmium (Cd)	mg/kg	<0.01
Total Mercury (Hg)	mg/kg	<0.05
Total Nickel (Ni)	mg/kg	<0.2
Total Chromium (Cr)	mg/kg	<0.2
Water Soluble Magnesium	mg/kg	11.9
Water Soluble Phosphorus	mg/kg	27.3
Water Soluble Potassium	mg/kg	167
Oils,Fats and Grease	mg/kg	<200

Released by Myles Nicholson

Date 23/07/21