

**Client Name:** ZPM Europe Limited  
**Client Address:** Innovation Centre  
National Technology Park  
Limerick  
**Client Contact:** David Darragh

## **Title: Soil Analysis Report**

2K01.4492-4498

**Report Reference:**

**Page no.:** 1 of 4  
**Date received:** 12.11.01

Darragh

**Report to:** David

Hyland

**Reported by:** Mary  
**Date:**

05.12.01

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**Note:** Results relate only to the items tested.

Test report shall not be reproduced except in full or with written approval of City Analysts Ltd.

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**RESULTS**

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<b>Sample Ref: 4<sup>th</sup> BGC Control 08.11.01(Lab ref: 2K01-4495)</b>			
<b>Determinand</b>	<b>Method Ref</b>	<b>Result</b>	<b>Units</b>
pH	CPH	8.89	
Cation Exchange Capacity	SUB-CON	9.30	meq/100g
Total Sulphur	LSO	0.03	%
Iron	ICPFe	7676	ppm
Calcium	ICPCa	>32000	ppm
Nitrogen Extractable	SUB-CON	4.00	ppm
Potassium Extractable	SUB-CON	20	ppm
Phosphorus Extractable	SUB-CON	11	ppm
Magnesium Extractable	SUB-CON	49	ppm
Boron (Water Soluble)	ICPB	<1	ppm
Manganese	ICPMn	192	ppm
Molybdenum	ICPMb	<1	ppm
Sodium	FLPNa	486	ppm

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<b>Sample Ref: 4<sup>th</sup> BGC Treated 08.11.01(Lab ref: 2K01-4496)</b>			
<b>Determinand</b>	<b>Method Ref</b>	<b>Result</b>	<b>Units</b>
pH	CPH	8.94	
Cation Exchange Capacity	SUB-CON	11.40	meq/100g
Total Sulphur	LSO	0.02	%
Iron	ICPFe	7087	ppm
Calcium	ICPCa	>32000	ppm
Nitrogen Extractable	SUB-CON	3.00	ppm
Potassium Extractable	SUB-CON	15	ppm
Phosphorus Extractable	SUB-CON	14	ppm
Magnesium Extractable	SUB-CON	43	ppm
Boron (Water Soluble)	ICPB	<1	ppm
Manganese	ICPMn	162	ppm
Molybdenum	ICPMb	7	ppm
Sodium	FLPNa	432	ppm

**Authorised By:** \_\_\_\_\_  
**Mary Hyland**

**Report Reference:** 2K01.4492-4498

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<b>Sample Ref: 4<sup>th</sup> BGC Control 08.11.01(Lab ref: 2K01-4497)</b>			
<b>Determinand</b>	<b>Method Ref</b>	<b>Result</b>	<b>Units</b>
pH	CPH	8.89	
Cation Exchange Capacity	SUB-CON	7.00	meq/100g
Total Sulphur	LSO	0.02	%
Iron	ICPFe	6224	ppm
Calcium	ICPCa	>32000	ppm
Nitrogen Extractable	SUB-CON	4.00	ppm
Potassium Extractable	SUB-CON	17	ppm
Phosphorus Extractable	SUB-CON	9	ppm
Magnesium Extractable	SUB-CON	45	ppm
Boron (Water Soluble)	ICPB	<1	ppm
Manganese	ICPMn	146	ppm
Molybdenum	ICPMb	3	ppm
Sodium	FLPNa	398	ppm

**Authorised By:** \_\_\_\_\_  
**Mary Hyland**