

**SOIL AMENDMENTS AND FERTILIZERS**

Parameters	POS.NUM OF METHOD.REVISION/ STANDARD	Analytical Method
Sample preparation	POAC.001	EN 16179
Moisture and dry matter	POAC.002	Gravimetry
pH (H ₂ O)	POAC.003	Potentiometry
Electrical conductivity	POAC.004	Conductimetry
Total carbon, Organic carbon, Organic matter	EN 15936	Elemental analysis / Calculation
Nitrogen total	POAC.006	Elemental analysis
Water extractable: Nitrate-nitrogen	POAC.007	Extraction in water / uv-vis spectrophotometry
Water extractable: Ammonium-nitrogen	POAC.008	Extraction in water / uv-vis spectrophotometry
Elements extractable in HNO ₃ /H ₂ O ₂ : Aluminium, Antimony, Arsenic, Barium, Beryllium, Boron, Calcium, Cobalt, Copper, Chromium, Iron, Lead, Lithium, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Phosphorus, Potassium, Silver, Selenium, Silicon, Sodium, Strontium, Sulphur, Thallium, Tin, Vanadium and Zinc	POAC.009	Extraction in nitric acid and hydrogen peroxide / ICP-OES
Elements extractable in HNO ₃ /HCl: Aluminium, Antimony, Arsenic, Barium, Beryllium, Boron, Calcium, Cobalt, Copper, Chromium, Iron, Lead, Lithium, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Phosphorus, Potassium, Silver, Selenium, Silicon, Sodium, Strontium, Sulphur, Thallium, Tin, Vanadium and Zinc	EN 54321	Extraction in <i>aqua regia</i> / ICP-OES
Bulk density	POAC.012	Gravimetry
Particle size analysis	POAC.013	Gravimetry
Stones and inert materials (glass, plastic, textiles...)	POAC.014	Gravimetry / Visual inspection
Seeds and weed propagules	POAC.015	Gravimetry / Visual inspection
Phytotoxicity	POAC.016	Gravimetry / Visual inspection
Self heating test	POAC.017	Thermometry
Organic matter by ignition / Ash (Loss on Ignition)	EN 15935	Gravimetry
Water extractable: Urea-nitrogen	POAC.019	Extraction in water / Gravimetry
Neutral ammonium citrate extractable phosphorus	POAC.020	Extraction in ammonium citrate / ICP-OES
Water extractable: Sulphate	POAC.022	Extraction in water / uv-vis spectrophotometry
Water extractable: Nitrite	POAC.023	Extraction in water / uv-vis spectrophotometry
Total lime	POAC.024	Volumetry
Water extractable elements: Phosphorus, Potassium, Calcium, Magnesium, Sulphur, Boron, Iron, Manganese, Copper, Zinc, Molybdenum, Nickel, Cobalt, Sodium	POAC.025	Extraction in water / ICP-OES



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ANALYSIS METHODS

DG-7/3

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Parameters	POS.NUM OF METHOD.REVISION/ STANDARD	Analytical Method
Water extractable: Chloride	POAC.026	Extraction in water / uv-vis spectrophotometry
Water extractable: <i>ortho</i> phosphate	POAC.027	Extraction in water / uv-vis spectrophotometry
Biuret	POAC.028	uv-vis spectrophotometry
Elements extractable in mineral acid: Phosphorus and potassium	POAC.029	Extraction in nitric acid and sulphuric acid / ICP-OES
Mineral nitrogen	POAC.030	Calculation
Organic nitrogen	POAC.031	Calculation
Humic acids, Fulvic acids, Total humic extract	POAC.032	Extraction in sodium hydroxide / Gravimetry / uv-vis spectrophotometry / Calculation