

GROWING MEDIA AND SUBSTRATES

Parameters	POS.NUM OF METHOD.REVISION/ STANDARD	Analytical Method
Sample preparation	POSUB.001	-
Moisture	POSUB.002	Gravimetry
pH (H ₂ O)	POSUB.003	Potentiometry
Electrical conductivity	POSUB.004	Conductimetry
Water extractable elements: Phosphorus, Potassium, Calcium, Magnesium, Sulphur, Iron, Manganese, Boron, Copper, Zinc, Molybdenum, Silicon, Cobalt, Nickel, Sodium	POSUB.005	Extraction in water (1:1,5) / ICP-OES
Exchangeable bases (Calcium, Magnesium, Potassium, Sodium and Aluminium) and Effective Cation Exchange Capacity in BaCl ₂	POSUB.006	Extraction in barium chloride (1:1,5) / ICP-OES
Water extractable: Nitrate	POSUB.007	Extraction in water (1:1,5)/ uv-vis spectrophotometry
Water extractable: Ammonium	POSUB.008	Extraction in water (1:1,5)/ 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	POSUB.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
Water extractable: Bicarbonate	POSUB.011	Extraction in water (1:1,5) / Volumetry
Water extractable: Chloride	POSUB.012	Extraction in water (1:1,5)/ uv-vis spectrophotometry
Total carbon and organic carbon	POSUB.013	Elemental analysis
Total nitrogen	POSUB.014	Elemental analysis