



Key Features

- The method employed meets the NEN 5743 standard
- Method according to USA EPA 5035A
- Can be hammered in hard soils down to 5m
- Prevents loss of volatiles during sampling and transport
- Undisturbed sampling
- No hassle in the field with methanol
- The sample has a volume of 226 millilitres.

Please note that this set is not suitable for stony soils.

The soil coring kit for chemical research, for establishing the presence of volatile components in the soil, is suitable for augering down to a depth of 5 metres. This kit allows sampling for environmental research of soil containing volatile components.

The method employed meets the NEN 5743 standard. This is because during sampling, the sample is pushed into the sample tube, after which the tube is closed off. This will optimally prevent volatilisation and oxidation of the soil sample and the sample under no condition comes in touch with synthetic material.

Applications

- Soil sampling above and below groundwater table
- Environmental soil research
- Undisturbed sampling

Set contains

- Edelman auger
- Several sample tubes
- Filling blocks and insulation plates
- Bottom caps
- Sample extruder
- Maintenance material
- Aluminium transport case

Specification

Connection	Screw thread
Maximum sample depth	7 m
Product material	Stainless steel, iron, other material
Sample diameter	37 mm
Sample length	20 cm
Sample specification	Undisturbed
Sample stored in	Foil
Package size	117 x 27 x 23 cm
Weight	27.54 kg



Method

The samples are taken with a small coring apparatus fitted with thin-walled stainless steel sample tubes. The sampling tubes are preferably pushed into the soil by hand, but a steel hammer with nylon heads can also be used.

After taking the sample, the sample tubes can be locked and cooled for transport to the laboratory then sub-samples can be taken from the sample tube, applying a small gauge or apple-corer. The samples can also be removed using an extruder. All the parts, except the caps, can be decontaminated repeatedly using detergent and water, after decontamination the equipment can be used again.

Technical Specification	
Sample tube	Stainless steel, Ø 38 mm, length 240 mm, contents 226 ml
Coring apparatus	Stainless steel, Ø 38 mm, length 40 mm, O-ring 32,2 x 3 mm
Filling block	Stainless steel, Ø 38 mm, thickness 40 mm
Insulation plate	Stainless steel, Ø 38 mm, thickness 2 mm Cap natural PE, Ø 40 mm
Edelman auger	Iron-manganese steel (not stainless steel, non-toxic)
Riverside auger	Iron-manganese steel (not stainless steel, non-toxic)
Down-the-hole hammer	Stroke length 29 cm, length 50 cm, Ø 51 mm, weight 3.5 kg
Probing cone	Glass fibre, cone Ø 19 mm, rod Ø 12.5 mm, length 105 cm
Transport case	Aluminium/wood, outside dimensions 108 x 23 x14 cm