



Forest soil (dried, sieved 2 mm)

Chemical extraction

Water extraction



NaOH (pH > 12) extraction, 4 h

Water extraction, pH 7, 24 h

Supernatant

No further treatment

HCl (pH < 2) extraction, 12 h

Chemical extraction

Centrifuge

Supernatant

Precipitation

HA (isolated from soil)

FA (isolated from soil)

Water-extractable OM

HA (isolated from the water-extractable OM)

FA (isolated from the water-extractable OM)