

**Method Number: PM 114**

Updated: 21/03/2022

Issue Number: 09



Page 1 of 1

**Method Summary****Leaching Procedure for CEN Two Stage Batch Test 2:1/8:1 Cumulative****Scope and Range**

This procedure applies to waste that has a particle size below 4mm, with or without size reduction, it follows CEN/TC 292/WG 2N 164-3, PrEN 12457-3. The procedure describes the preparation of 2:1 and 8:1 cumulative leachates.

**References**

CEN/TC 292/WG 3 N 164-3, AFNOR Standardization unit  
CM 001 Daily Balance Checks

**Principle**

To determine the quantity of water soluble compounds present in the sample, which may leach into the groundwater. A portion of sample is mixed with deionised water in the ratio 2:1 and 8:1. Any soluble compounds present in the soil leach into the water and the leachate is then sent for analysis. This procedure may not be applicable to materials with high water content or such a water affinity that a good mixing of the solid with the predetermined quantity of liquid is not achievable.

This procedure may not be applicable to materials reacting with the leachant, e.g. leading to Excessive gas emission, a solidifying effect or excessive heat release.

By crushing the material new surfaces are exposed which may lead to a change in leaching properties.

This procedure is not suitable for very wet samples, i.e. with moisture by meter greater than 40 %, it can be changed for prepping to 10:1

**Interferences**

The sample is used 'wet' / 'as received'.

The sample should have a grain size of at least 95% less than 4mm. Therefore the sample shall be passed through a 4mm sieve. If oversized material exceeds 5% then the entire oversized portion should be crushed, using either a hammer or crushing equipment. On no account should the material be finely ground. Before the leachate can be prepared the dry matter content ratio and the moisture content ratio of the sample is determined at 105<sup>0</sup>C by oven and calculated as stated in the CEN documentation CEN/TC 292/WG 2N 164-3, PrEN 12457-3. Dated on January 2002