**Matrices of solid environmental samples are harmonized in the scopes**

Further information for the laboratories performing environmental testing (chemistry, microbiology and healthy building) whose scopes include solid environmental samples as matrices.

* The laboratory's proposal for detailed matrices of the solid environmental samples in the scope in compliance with the list attached in the information letter. [FINAS information letter](https://www.finas.fi/sites/en/topical/articles/Pages/matrices_of_solid_environmental_samples.aspx).
* Detailed matrices are based on the laboratory’s competence and experience.
  + The matrix of the material can be described narrower if necessary.
* A method specific justification for the chosen matrix is required for the assessment. Please note: the example in the table is indicative.

| HARMONIZATION OF SOLID ENVIRONMENTAL SAMPLES | | | | |
| --- | --- | --- | --- | --- |
| **Field of testing** | **Material, products tested** | **Component / parameter / characteristic tested** | **Test method / standard / techniques** | **Justification for the matrix** |
| **Example**  Environmental testing, chemistry, ICP methods, flexible scope | **The current matrix**  Environmental samples, waste, sludge, sediment, soil and biological material, fertilizer products ja organic fertilizers  **The proposed matrix**  *FLX\**  Solid environmental samples, waste material, biological material, and fertilizer products  *Fixed scope*  Sludge, sediment, soil sample and organic fertilizers | FLX\*  Elements | SFS-EN ISO 11885:2009 ICP-OES  SFS-EN ISO 17294- 1:2006  SFS-EN ISO 17294- 2:2016 ICP-MS | *Customer needs, quality assurance and analytic experience*  *e.g.The customers are authorities and the samples e.g. waste material like brickwork waste and ash, and soil sample e.g. contaminated land and soil material.*  *Analyzes have been performed on these matrices for more than 10 years with the usage of flexible scope. External quality assurance covers the matrices above and quality assurance demonstrates the validity of the results.* |
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