This International Standard specifies a method of determining phthalates in textiles with gas chromatography–mass spectrometry (GC-MS) and with mass selective detector. According to the procedure, the phthalates are extracted by ultrasonic generator with tetrahydrofuran.

This method is applicable to textile products where there is a risk of the presence of some phthalates. They are commonly used as plasticizers in polymers and could be found in apparel products due to their use within motifs, coated fabrics, plastisol prints and buttons.

These chemicals are banned in some consumer products, not only in Europe, since they are toxic for reproduction and recently toxicological studies have shown that this chemicals have potential effects as endocrine disruptors.

Below the list of phthalates that could be analyzed by this method:

- Dibutyl phthalate (DBP)
- Butyl benzyl phthalate (BBP)
- Bis-(2-ethylhexyl)phthalate (DEHP)
- Di-n-octyl phthalate (DNOP)
- Di-iso-nonylphthalate (DINP)
- Di-iso-decyl phthalate (DIDP)
- Di-iso-butyl phthalate (DIBP)
- Di-pentyl phthalate (DPP)
- Di-iso-heptyl phthalate (DIHP)
- Di-methoxyethyl phthalate (DMEP)
- Di-cyclohexyl phthalate [DCHP(IS)]

Our Laboratories are accredited according to ISO 17025 for this standard and we are also able to support you carrying out the analysis according to this standard.

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