

YOUR BENEFITS:

- Documented quality assessment acc. to GMP
- Regular quality control
- Strengthening your position towards suppliers
- Compact material analysis and structured report:



For further information:

Food safety department viscotec
viscotec.sales@starlinger.com

Please send your material samples to:

Starlinger viscotec
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4113 St. Martin
Austria

viscotec
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your clever way
to analyze

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IDENTIFICATION OF CONTAMINANTS: "ROAST TEST"

By heating up PET flake samples discoloration of its contaminants is achieved. Impurities like PVC, glue, polyolefins etc. can be optically detected and quantified.

SURFACE MOISTURE TEST

PET pellets or flakes are heated up to 160 °C so that the surface moisture vaporizes. The moisture content is calculated by relating the starting to the final weight of the sample.



GC – GAS CHROMATOGRAPHIC ANALYSIS

Detection and quantification of the typical rPET substances Acetaldehyde (AA) and Limonene. A report including the chromatogram is provided.



iV – INTRINSIC VISCOSITY MEASUREMENT

Pre-dried PET flakes and pellets are melted and pressed with a defined pressure through a defined die at a certain temperature. The flow speed determines the iV value.



COLOR TEST

Color measurement of rPET (amorphous PET after extrusion and/or crystalline PET after SSP) according to the L*a*b*-system. These three color values are decisive for the application.

Prices & Packages 2023

Service	Package of 10 tests
Flakes roast test	€ 1,050,-
Color test	€ 350,-
Surface moisture test	€ 350,-
iV measurement	€ 600,-
GC analysis	€ 1,600,-

Entire material analysis

1. Flakes (all 5 tests)	€ 3,950,-
2. Pellets (without roast test)	€ 2,900,-