

viscotec
foodgrade without compromise

RPET FOR DIRECT FOOD CONTACT. QUALITY CONTROL AND TRACEABILITY AS THE CURRENT CHALLENGES IN RPET SHEET PRODUCTION.

viscotec
Integrating vision & expertise

Welcome

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GEPET, LYON, JUNE 10-12, 2015

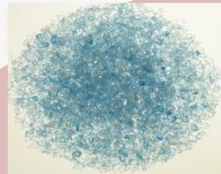

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TRACEABILITY ... WHY?

**Assuming
responsibility**



**Avoiding
risks**



**Complying
legislation**



**... for a safe
final product!**

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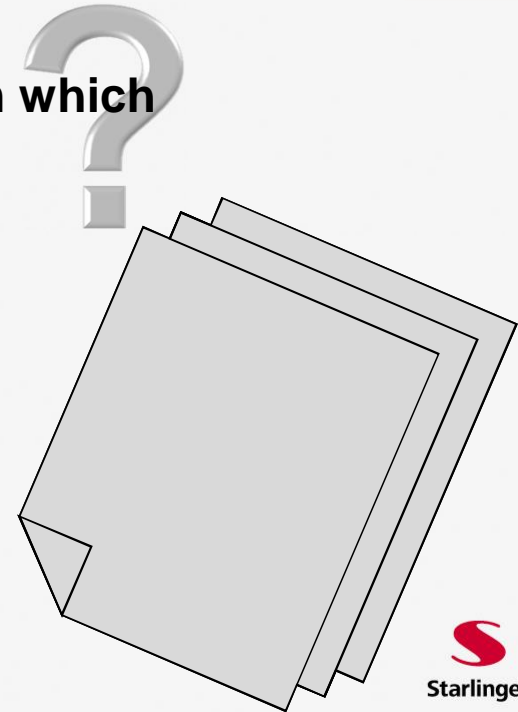
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TRACEABILITY MEANS...

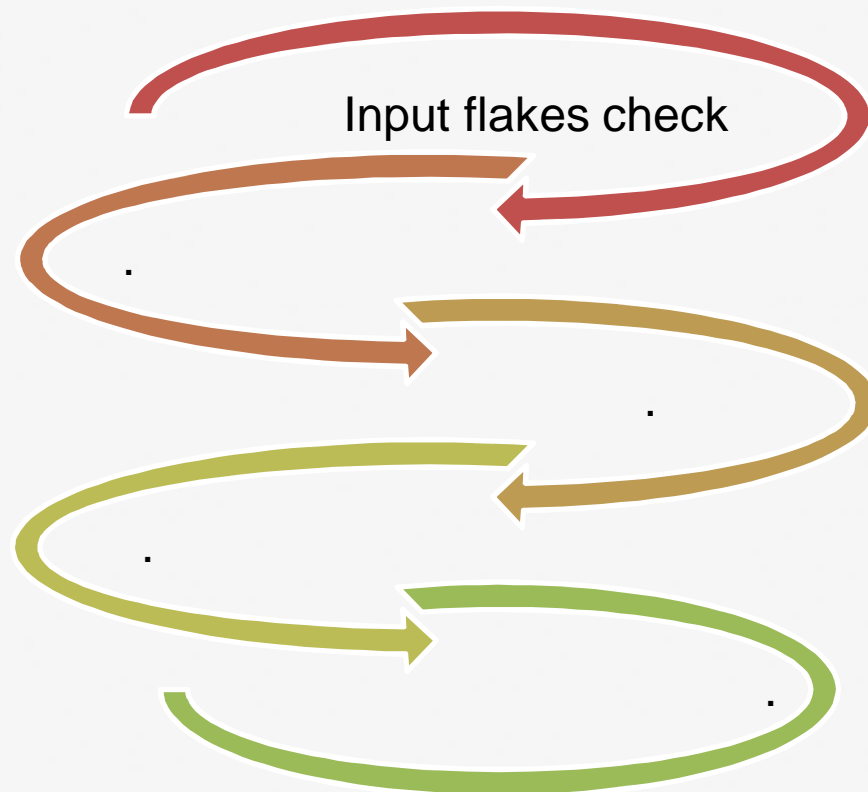


Which input material from which supplier ended up in this product?

Can I show sufficient documentation that confirms the material stream?



5 STEPS TO TRACEABILITY



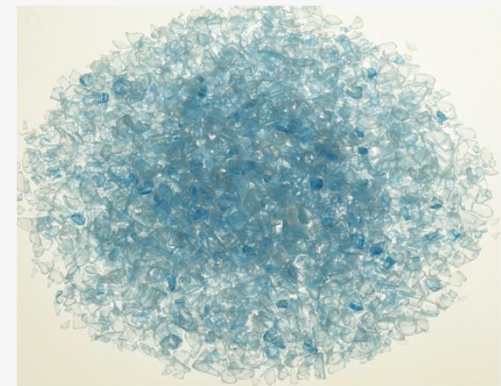
1. INPUT FLAKES CHECK

“ Origin

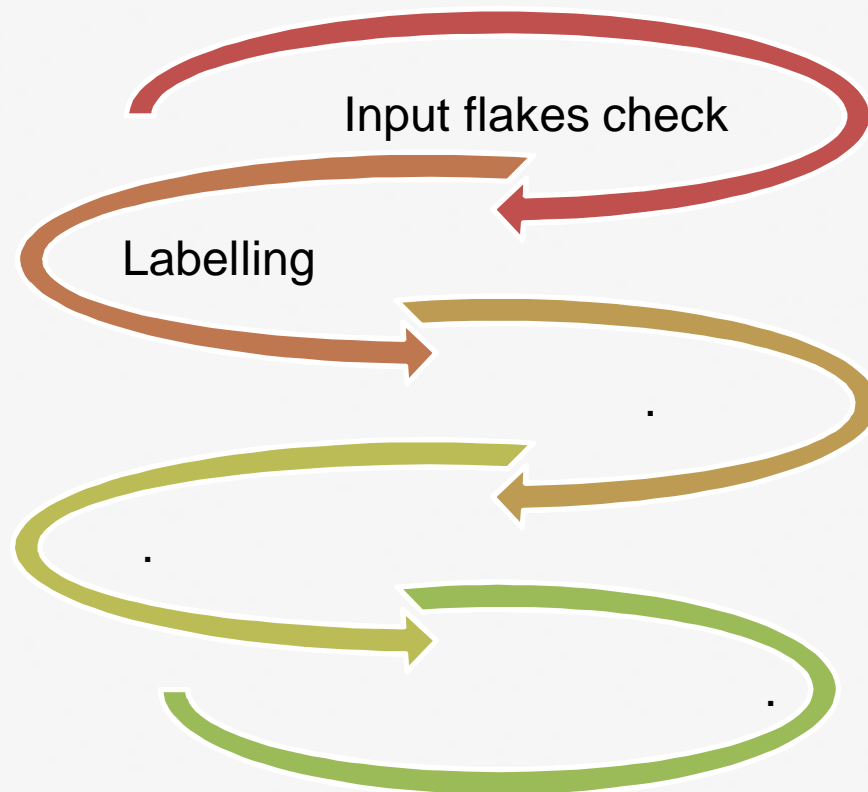
- %a.plastic input for recycling ... must have been manufactured acc. to Community Legislation on plastic FCM.+
- Supporting documents: Data sheet from supplier, purchasing criteria catalogue

“ Purity

- 5% non-food application limit
- Supporting documents: Data sheet from supplier, sorting procedure protocol, training of employees



5 STEPS TO TRACEABILITY



2. BATCH LABELLING & TESTING

“ Labelling

- Defined batches traceable to supplier, date of delivery, lab test result, process parameters?
- Supporting documents: Labelling system



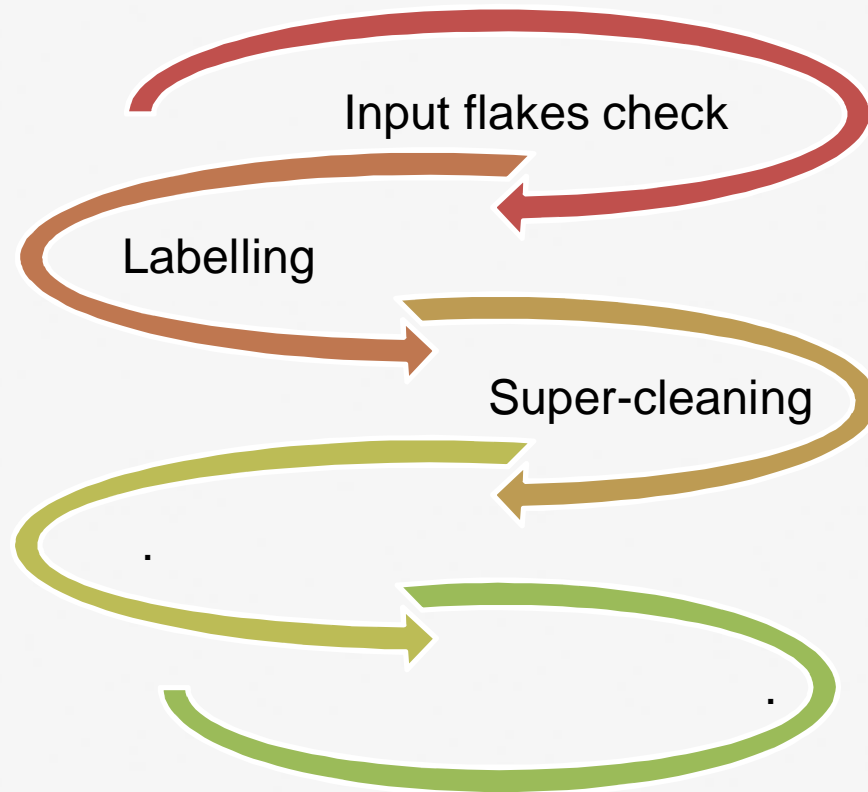
2. BATCH LABELLING & TESTING

“ Testing

- Roast test: Quantification of impurities (moisture, dust, PVC etc.)
- Batch wise, e.g. per big bag, truck load, sold lot etc.
- Comparison to input specification in EFSA petition (or internal requirements)
- Supporting documents: Process instruction, internal lab records, claim management



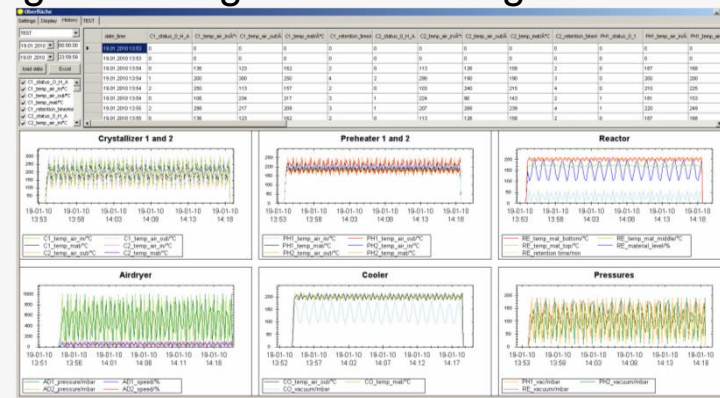
5 STEPS TO TRACEABILITY



3. SUPER-CLEANING PROCESS

“ Food grade parameters check

- How are the critical parameters (residence time, temperature etc.) controlled?
- What happens if a parameter is not correct - how to avoid mixing food grade with non-food grade material?
- Important for some super-cleaning technologies: How to organize maximum defined rPET contents?
- Supporting documents:
Process instruction,
data records, machine manual



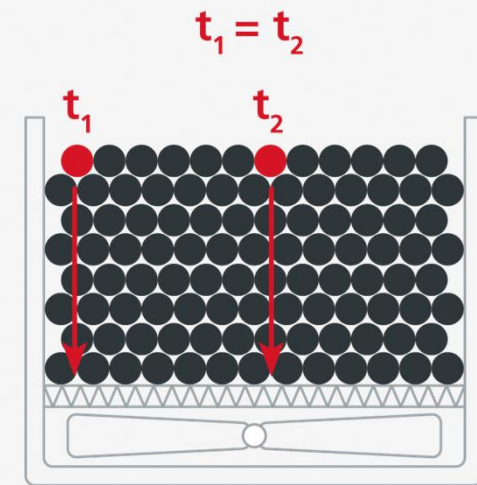
3. SUPER-CLEANING PROCESS

YOUR BENEFIT WITH VISCOTEC TECHNOLOGY



“ viscotec FOOD GRADE PACKAGE

- Automatic process control in %EFSA/FDA production mode+
- Consistent and automatic control of critical parameters via software
- Automatic transport to non-food grade silo in case of an alarm
- Combined with viscotec FIFO - 100% traceability is guaranteed
- Supporting documents: Software report

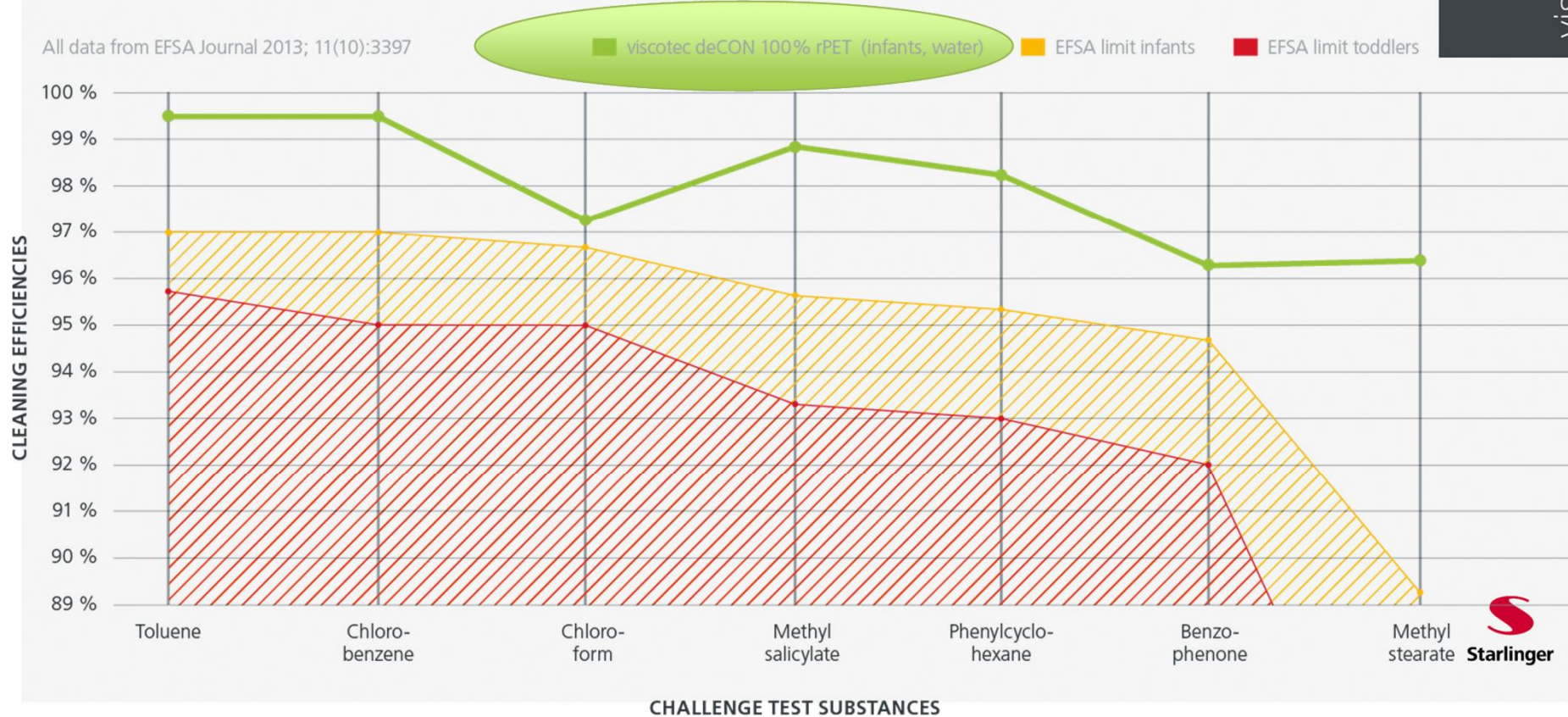


3. SUPER-CLEANING PROCESS

YOUR BENEFIT WITH VISCOTEC TECHNOLOGY

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technology without compromise

All data from EFSA Journal 2013; 11(10):3397

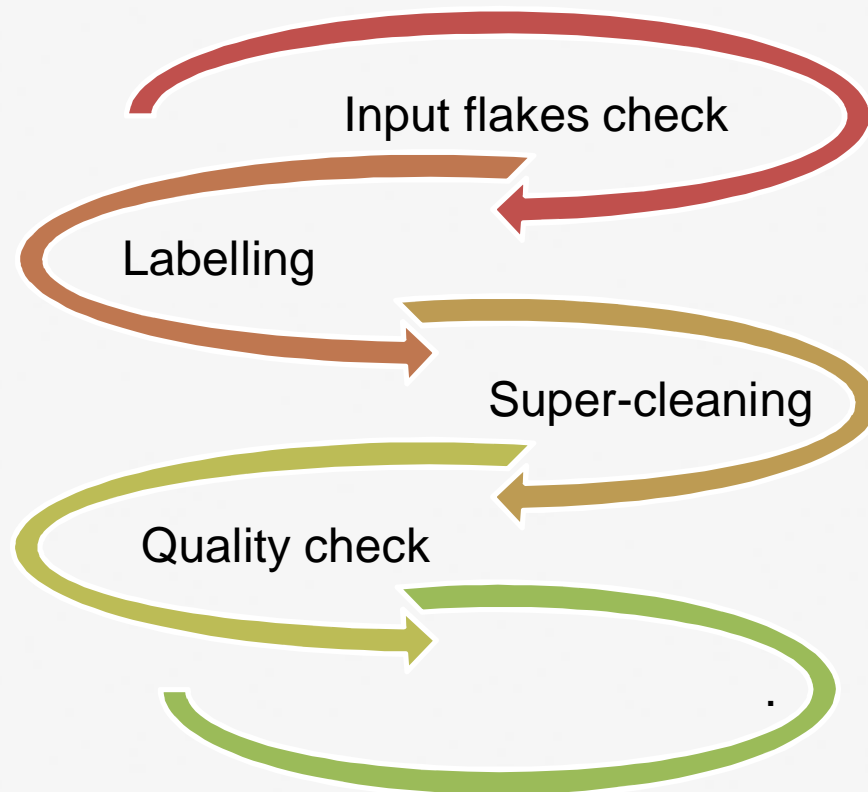


3. SUPER-CLEANING PROPERTIES YOUR BENEFIT WITH VISCOtec TECHNOLOGY

visco**tec**
Integrates without compromise

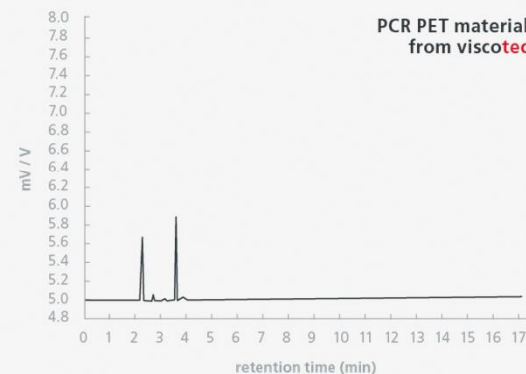
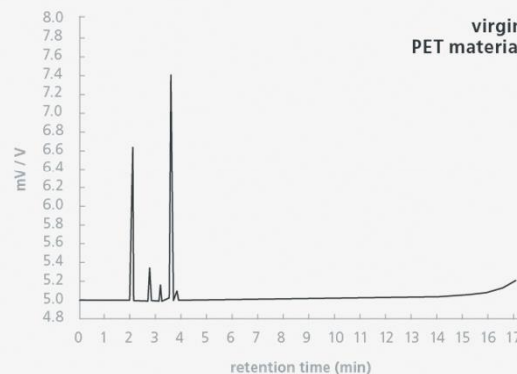
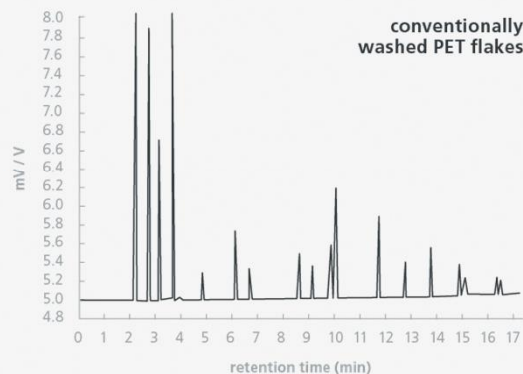


5 STEPS TO TRACEABILITY

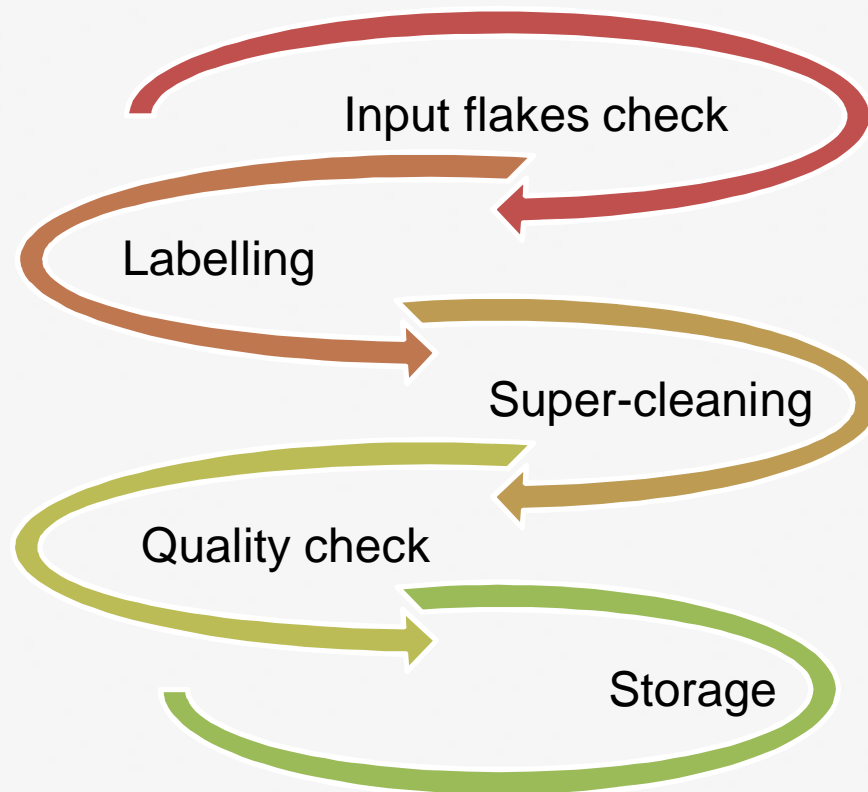


4. MATERIAL QUALITY CHECK

- “ Final product (flake/sheet)
- iV, color, gas chromatography
 - Comparison to final product specification
 - Supporting documents: Process instruction, internal lab records, external test protocols, claim management, (confirmation reg. rPET content restrictions)



5 STEPS TO TRACEABILITY



5. MATERIAL AND SAMPLE STORAGE



" Storage management

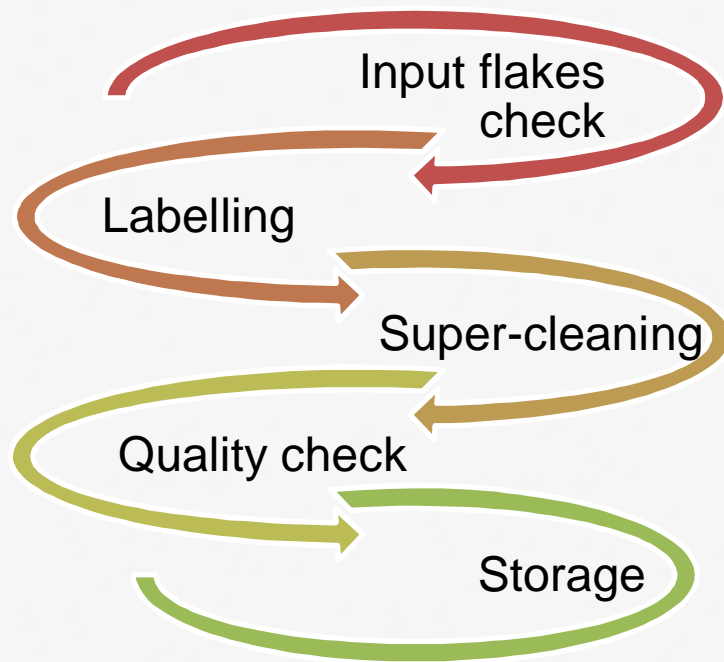
- Incoming, food grade, off-spec material
- How can contamination be excluded?
- Time and conditions of storage
- Supporting documents: Records storage management, visual inspection

" Sample management

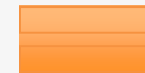
- Time of sample storage
- Samples traceable to input material, process parameters etc.?
- Supporting documents: Visual inspection (reference sample label traceable to input material?)



5 STEPS TO TRACEABILITY



Complete
Declaration of
conformity



**... for a safe
final product!**

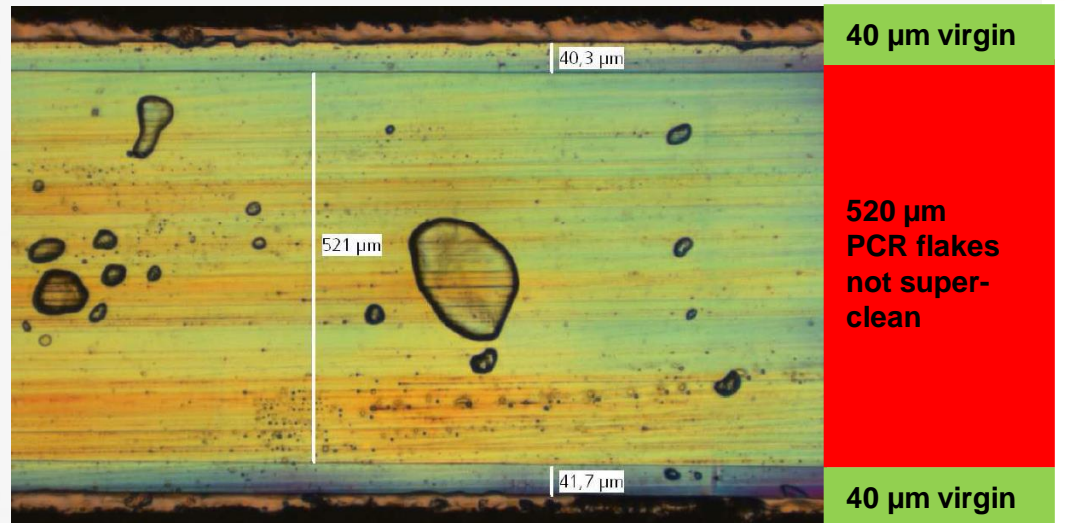


What is **not giving me
the security that my
final product is **safe**?**

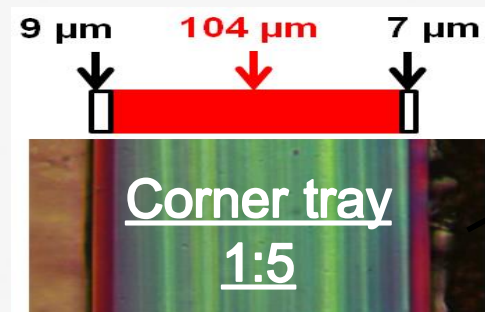
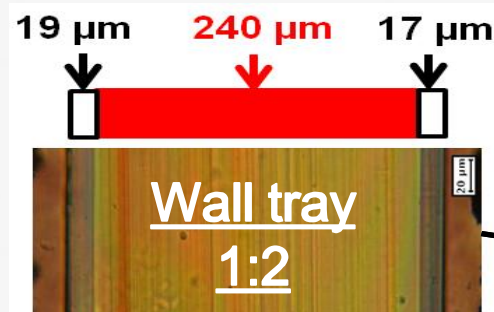
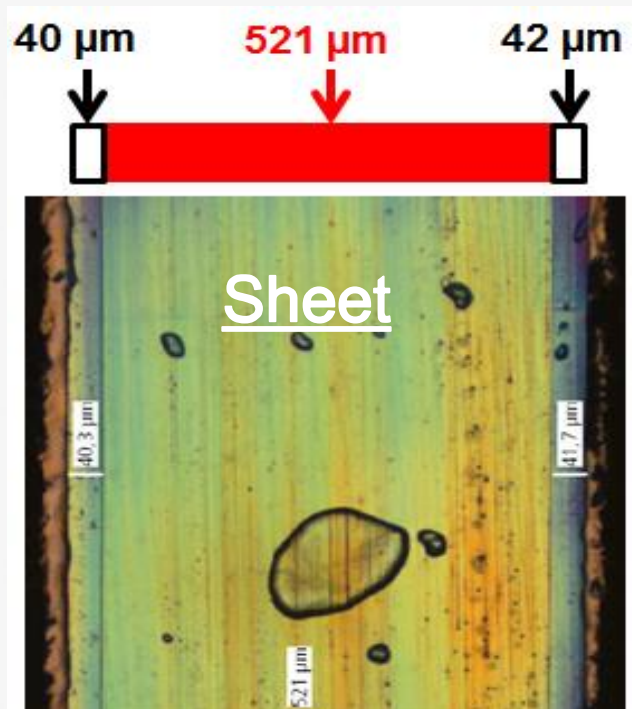


ABA STRUCTURE

- “ No cleaning
- “ No traceability
- “ No security



ABA STRUCTURE



DECON - 100% FOOD GRADE

- “ Documented quality assurance
- “ 100% traceability
- “ Perfect cleaning efficiency



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FUTURE AUDITS

- “ EC decisions on EFSA positive opinions expected in 2015
- “ MS are responsible to enforce and control European legislation on recycled plastic FCM
- “ Task force (MS experts, EC, industry) is currently developing a guideline for these controls
- “ CMSS
 - Compliance Monitoring Summary Sheet
 - Basis for auditors
 - Process description, critical steps etc.
- “ Next step: Training of auditors
- “ **Dedicated support for viscotec customers!**



rPET PRODUCT LINE



deCON 20

deCON



viscoSTAR

viscoSHEET





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