

General Meeting of Performance BIB

Nîmes, France

25 to 27 November 2007



Session :

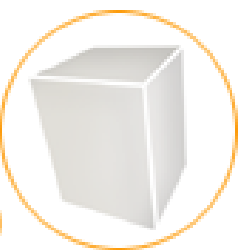
Tuesday 27 November 2007 et 9:00 AM

Technological options for reducing risks during maritime container transport for wine in BIB and in flexitanks

Title/Speaker :

- 1) "Improving the package or the environment?", Laura West (V&S, Denmark)
- 2) "Assessing Contamination Risks during transport of Wine in Containers", Pascal Chatonnet or Stéphane Boutou, (laboratoire Excell, France).
- 3) "Increasing Traceability in Containers" Bill Brassington (Container Owners Association, UK)
- 4) "Control of temperatures", Matt Osborne (Ospack Systems, Australia).

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Technological options for reducing risks during maritime container transport for wine in BIB and in flexitanks

1) “Improving the package or the environment?”

**Laura West
(V&S, Denmark)**

**2007
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The Wine Transport Work Group

- Founded in Montpellier 2005
- Main discussion themes were
 - Oxygen uptake during transport
 - Temperatures during transport
 - **naphthalene contamination** of wine shipped in BiB or flexitank
 - Suitable packaging materials and test methods
 - Preservation of the wine for transport
 - Packaging material strength

Legislative matters

- Placing responsibility
- Defining our responsibilities
- Defining requirements to packaging materials posed by the EU and FDA

Constant Missing Link:

**What happens
during
transport?**

Bulk wine transport

- The biggest BiB system:
 - The Flexitank
 - Focus is changing:
 - 'Naphthalene proof' barriers offered
(None of these have proved naphthalene proof, but this indicates intention and effort.)
- The smaller BiB-systems: Our retail wine packaging
 - Also from time to time affected by contamination, but not as much focus on this, as transport is generally over a shorter distance

Improving the package

- Material
- Material thickness
- Material combinations
- Package construction and design

Barrier properties news

- According to work done by one of our members:
 - There appears to be a direct correlation btw. O₂ barrier properties and naphthalene barrier properties.

(Presentation during our work group meeting later today)

Investigating the environment

- JF Hillebrand entered Perf. BiB
- Braid entered
- TOD entered with Hillebrand

Considering the environment

- **The air inside the container**
 - Container – wallpaints, floor and floor treatments
 - Fitting materials – bulk head, cover materials
 - Heat
 - Moisture
 - Fumigation

Improving the environment

- The evaluation of the container prior to loading any goods
 - Laboratoire Excell is here today
- The container in general:
 - COA (Container Owners Association) / Bill Brassington is here today – cooperation

Preserving the barrier properties by improving the environment

Barrier properties depend on temperature and humidity of surroundings

- The temperatures inside the container
 - Ospack Systems (Matt and Ken Osborne) are here today

Improving the package

- **Please join our work group
for detailed news**

...

and to help us move forward

End of project:

2008