











**GENERAL NOTICE**  
*Technical Sheet*

**SUBJECT**

**Behaviour of an aluminised paper label in PET bottle recycling.**

**IMPACT SUMMARY TABLE**

Recycling stage	Impact	Description	Consequences
 <b>Pre-washing</b> (optional)		The paper is partly defibered, the aluminium layer may remain partly stuck to the packaging body ⇒ Ejection if later bottle sorting	<ul style="list-style-type: none"> <li>• Higher losses</li> <li>➤ <b>Increase in waste to be processed</b></li> </ul>
 <b>Sorting of bottles</b>		One bottle with aluminised paper label detected ⇒ Up to 5 bottles without aluminised labels ejected.	<ul style="list-style-type: none"> <li>• Higher losses</li> <li>➤ <b>Increase in waste to be processed</b></li> </ul>
 <b>Grinding</b>	∅		
 <b>Washing</b>	∅	The paper is defibered and the aluminium layer is eliminated in the washing water.	<ul style="list-style-type: none"> <li>• Higher losses</li> <li>➤ <b>Increase in waste to be processed</b></li> </ul>
 <b>Flake floating and separation</b>	∅		
 <b>Flake sorting</b> (optional)	∅		
 <b>Granulation</b> (optional)	∅		
 <b>Recycling</b>	∅		

 Caution ∅ No impact ⌚ Under examination ➤ **Environmental consequences**

**GENERAL OPINION**

The aluminium coated paper label is detected during the automatic bottle sorting phase. Its detection increases bottle losses and the quantity of waste to be processed.

In the current state of equipment and techniques used and available in Europe, a bottle with an aluminised paper label seriously disrupts the recycling of PET bottles.

**COTREP strongly advises against using this type of label on a PET bottle body.**