General Notice

Behaviour of aluminised paper labels or sleeves during the recycling of HDPE and PP bottles

1/ Summary table of impacts on regeneration

Recycling stage	Impact	Description	Consequences
Pre-washing	⚠	The paper is partially defibered; the aluminium layer may remain partially stuck to the packaging body	An increase in losses ➔ **an increase in waste to be processed**
Sorting on bottles (optional)	⚠	One bottle with aluminised paper label detected ➔ up to 5 bottles ejected	An increase in losses ➔ **an increase in waste to be processed**
Crushing	Ø	-	-
Flotation	Ø	-	-
Washing	⚠	The paper is defibered and the aluminium layer is eliminated with the waste water	An increase in losses ➔ **an increase in waste to be processed**
Granulation Recycling	Ø	-	-

⚠ Caution Ø No impact ➔ **Environmental consequences**

2/ COTREP's conclusion

Aluminium-coated paper labels are detected during the automatic bottle sorting phase. Their detection causes an increase in bottle losses and waste to be processed.

With the equipment and techniques currently available and used in Europe, bottles with aluminised paper labels strongly disrupt the recycling of HDPE and PP bottles.

COTREP strongly advises against the use of this type of label on bottles with HDPE or PP bodies.

NB: *In the case of an integral sleeve or label, the behaviour of the packaging may vary, particularly during the sorting stages. For further information please consult General Notice No. 12.*