

Technical Notice

Wattwiller 1500

DESCRIPTION OF THE APPLICATION	GENERAL POINTS	
	Applicant	Wattwiller
	Date of application	October 2012
	Brand name	Wattwiller 1500
	Market	Water
	DESCRIPTION OF PACKAGING	
	Shape	Cylindrical bottle
	Colour(s)	Clear blue
	Dimensions (L x w x h)	-
	Capacity, volume	1.5L
	MATERIALS	
	Body	Virgin PET
	Closure system	HDPE plastic cap
	Label/Ink/Glue	White opaque OPP label with matt and gloss coating
	RECYCLING STREAM	
	Clear PET stream	
	PURPOSE OF THE APPLICATION	
	A study of the behaviour of coated grey pantone labels during optical sorting. These labels have been introduced to replace the metallic inks originally used.	

PRE-REQUISITES

This notice falls within the project to modify the label used by the Applicant to date.

Although the bottle components of the first version of the Wattwiller 1500 bottle did not present a technical problem during the regeneration process for clear PET, most of these bottles were nevertheless removed upstream of the recycling process, due to the presence of metallic ink on the label, which was detected by optical sorting.

With the new bottle, the metallic pigments used for printing the OPP label have been replaced by a grey pantone ink coating. The behaviour of this new label during optical sorting was therefore tested with various metal detectors, in view of the possibility that the gloss of the coating could cause the erroneous rejection of bottles bearing the new labels.

STUDY RESULTS AND CONCLUSIONS

In optical sorting centres, bottles bearing the new label are not detected, and therefore not rejected by the machine, irrespective of the type of metal detector used.


Consequently, COTREP is in favour of this type of coated OPP label, which is compatible with the available industrial technology.

However, errors could occur in manual sorting centres, as a result of the visual similarity between the two types of label and the history of this packaging as a disruptive element, leading to the removal of these new bottles from the stream. It might therefore be useful to distribute information to sorting agents in respect of the new recyclability of this packaging.

Signed in Paris on 4th March, 2013

COTREP

Maryon Pailleux



Vincent Colard



Tristan Brunin

