



Annex V: TAMIR

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TAMIR - Packaging Recovery Organization of Israel Ltd

TAMIR was set up in 2011 as a not-for-profit organization for packaging recovery under the packaging law, for household and commercial packaging waste. Having started its operation on January 1, 2012, TAMIR is currently the only Packaging Recovery Organization that operates in Israel.

Most glass put on the market is beverage containers and therefore falls under the deposit law. TAMIR is accrediting the rest of glass packaging put on the market, around 20.000 t yearly. Collection is implemented by purple bins for separate collection of glass (all colours mixed), with one bin per 1500 citizens. Due to the large distances, currently only around 2.000 t of packaging glass waste is collected each year, plus the same amount of glass beverage containers which TAMIR directs to the responsible body ELA. The current collection rate is 10 % but TAMIR aims at reaching a collection rate of 60 %. In order to get there, the density/coverage of collection cages needs to be increased.

After collection, TAMIR is paying companies to have the glass sorted and transported to a recycling plant or to export. It is usually transported there as shredded glass. The quantity is low but the quality is quite high: very high purity of material and only a few impurities.

TAMIR would like to collect separately by colour since the recycling company here has not a high-tech solution for the sorting of waste per colour available. However, because of the very low quantities they opted for manual sorting instead, since the containers arrive mostly undamaged.

Main problems identified

- There is a problem with theft of material since there is a deposit on glass bottles.
- Lack of budget for investments needed to improve the system (mainly: more collection bins).
- Due to the low quantity, the collection costs for glass are very high in Israel: around 250 €/t (this already includes the benefits from the sales of the glass under deposit law → pure cost is 400 €/t).
- There is no market for raw material and thus instead of selling the glass collected, TAMIR has to pay for sorting and cleaning.

Key recommendations

- Include all glass in the same system, either under the packaging law or under the deposit law.
- In order to achieve an economy of scale effect, it could be considered to take the glass completely out of the deposit scheme (under the premise that some conditions are fulfilled, such as that local authorities then need to enforce the separate collection from HoReCa which is now incentivised by the deposit).



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