

## Independent Assurance Statement

### Assurance brief

RISE has been contracted by Ardagh Group to perform a limited assurance of their 2019 sustainability report. In particular, the scope of the assurance provided is focused on the acquisition, processing and aggregation of the quantitative data necessary to calculate the principal environmental and health & safety key performance indicators (KPIs), namely:

- Energy consumption
- Scope 1 GHG emissions
- Scope 2 GHG emissions
- NOx emissions
- SOx emissions
- Particulate emissions
- VOCs emissions
- Process water
- Waste disposed
- Waste recycled
- Lost Time Accidents (LTAs)

In addition, RISE has also assured Ardagh Group's Scope 3 GHG estimations.

### Independence of the assurance provider

RISE (Research Institutes of Sweden) is a research, technology and consulting organisation consisting of six divisions: RISE Bioeconomy, RISE Built Environment, RISE ICT, RISE Life Science, RISE Safety & Transport and RISE Certification. Between them, these divisions cover a diverse range of sectors and services.

RISE has worked with Ardagh Group on previous environment and sustainability projects but confirm their independence of the organisation for the purposes of providing the contracted assurance.

### Assurance conclusion

RISE has undertaken a limited assurance of the acquisition, processing and aggregation of the quantitative data necessary to calculate the principal environmental and health & safety KPIs reported in Ardagh Group's 2019 Sustainability Report. RISE has also undertaken limited assurance of Ardagh Group's Scope 3 GHG emissions calculations. Procedures performed in a limited assurance engagement are aimed at determining the plausibility of information and are less extensive than those employed for a reasonable assurance engagement. Nonetheless,

*Based on the datasets and calculations reviewed and the evidence observed during site visits, nothing came to the practitioner's attention to cause belief that the KPI data or the Scope 3 GHG emissions are materially misstated.*

### Approach

The work has been delivered in accordance with RISE's own methodology which is based on the international assurance and audit standard ISAE 3000. The following procedures were performed:

- A data review: an evaluation of the dataset for each site contained within the internal reporting system to appraise plausibility of the overall dataset and, through statistical analysis, to identify any outlying data points. Any such outliers were subject to additional scrutiny to ascertain the validity of the data reported
- Production site visits: two sites were visited (one glass, one can manufacturing). Procedures included visual observation of environment and safety practices, looking for evidence that these support the reported environmental and safety data; review of source data and data trail through to data entry into the internal reporting system and subsequent aggregation of data to generate KPIs.

Only two German sites were visited but assurances have been provided by Ardagh Group that procedures and practices are standardised across the group.

In addition, RISE reviewed the Scope 3 GHG report and calculations provided by Ardagh Group to the external consultants ClimatePartner.

### Responsibilities

For clarity, Ardagh Group and its Directors are responsible for the preparation of the report in line with the GRI G4 guidelines. RISE's responsibility is solely in terms of providing limited assurance with respect to the process of gathering and processing the data that underpins the KPIs reported.