

## Review report

Table 1. see detailed guide on how to fill in the information at [https://eplca.jrc.ec.europa.eu/permalink/Guide\\_EF\\_DATA.pdf](https://eplca.jrc.ec.europa.eu/permalink/Guide_EF_DATA.pdf) section 8.3.

<b>REVIEW REPORTING</b>			
<b>General information</b>			
Data set name	Acetone		
Data set UUID and version number	864B1127-468B-4FCE-B240-15658A374FEA; 01.01.001		
Data set locator (e.g. Permanent URI, URL, contact point, or database name and version, etc.)	<a href="https://www.esig.org/green-deal/circularity-sustainability/">https://www.esig.org/green-deal/circularity-sustainability/</a>		
Review commissioner(s)	ESIG (OSPA)		
Reviewer name(s) and affiliation(s), contact	Angela Schindler, Dr. Martin Baitz		
Review type applied, and compliance with EF requirements for review	Type 2		
Method used for review , and review scope	Data set has been reviewed according to documentation/Eco-profile report and explanations via webmeeting of the practitioners. Plausibility check of result values.		
Date of review completion	15.11.2021		
Reviewed against/Compliance system name	Guide for EF compliant data sets, v2.0 (2020)		
Compatibility with EF reference package (Version)	EF3.0		
<b>OVERALL COMPLIANCE ASSESSMENT</b>			
<b>aspect</b>	<b>yes</b>	<b>no</b>	<b>comments</b>
Compliance with specific EF requirements	yes		Compliant with all relevant requirements of Guide for EF compliant data sets;
Allocation rules clearly explained and consistent	yes		Eco-profile describes allocation of foreground and background data.
Circular Footprint Formula (correct implementation)	yes		Due to cradle-to-gate LCI, CFF is applied with background data as pre-defined GaBi processes for energy gain.
LCIA results consistency	yes		Technical check and evidence per practitioner.
<b>Nomenclature</b>			
Correctness and consistency of applied nomenclature (use of Specific EF reference package; Correct nomenclature of other flows, processes etc;)	Yes; LCI generated by recommended tools in combination with latest GaBi software version.		
<b>Documentation</b>			
Appropriateness of documentation. See Document 'Documentation of LCA data sets' and additional EF data guidelines.	Documentation follows ILCD template, EF guide and is accompanied by a documentation following the methodological protocol of PlasticsEurope.		
Appropriateness / correctness of documentation format (ILCD Format)	Documentation has been checked by practitioner by ILCD editor; content has been checked by reviewer.		
Validation with ILCD validator	yes		

DQRs	yes		<i>DQR setting by LCA practitioner and checked by reviewer.</i>
Cut-off	<i>Compliant with the Guide for EF compliant data sets, v2.0 (2020)</i>		

**Additional Information (if needed)**

**Documents referred or accessed by the reviewer (references also for unpublished documentation)**

Eco-profile of three oxygenated solvent (groups): n-Butanol, Butyl Glycol Ethers, Acetone, Nov 2021

**Compliance declaration:**

The reviewers declare on their responsibility that the reviewed data set **is** compliant with the Environmental Footprint general and specific compliancy rules."

**Reviewer(s)' signature(s)**

Name Surname: Angela Schindler



Name Surname: Martin Baitz

