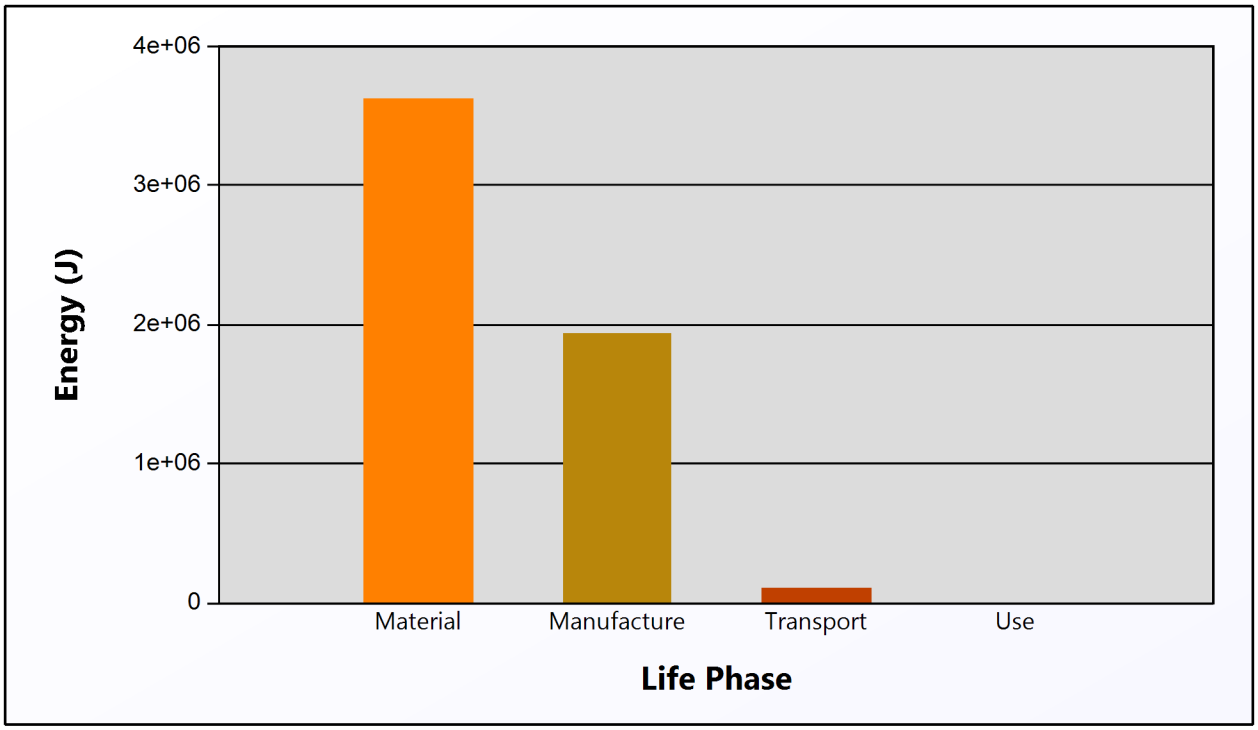
Eco Audit Report

Product Name	Glass Bottle
Product Life (years)	0
Includes Recycled Fraction?	No
Analysis:	Energy efficiency

Summary of Life Phases:

Detailed Breakdown



Phase	Energy (J)	Energy (%)
Material	3.6e+06	63.8
Manufacture	1.9e+06	34.2
Transport	1.1e+05	1.9
Use	0	0.0
Total	5.7e+06	100

Equivalent annual energy (averaged over 0 year product life): Infinity J

Detailed Breakdown of Individual Life Phases

Summary

Material:

Analysis includes recycled fraction? No

Component	Material	Primary Production Energy * (J/kg)	Mass (kg)	Energy (J)	%
Bottle	Soda-lime glass	1.5e+07	0.23	3.5e+06	95.6
Cap	Low carbon steel	3.2e+07	0.005	1.6e+05	4.4
Beverage		0	0.37	0	0.0
Total			**0.6**	**3.6e+06**	**100**

* When applicable, primary production values account for recycle fraction in supply

Manufacture:

Component	Process	Processing Energy (J/kg)	Mass (kg)	Energy (J)	%
Bottle	Glass molding	8.6e+06	0.23	1.9e+06	99.4
Cap	Forging, rolling	2.4e+06	0.005	1.2e+04	0.6
Beverage		0	0.37	0	0.0
Total			**0.6**	**1.9e+06**	**100**

Transport:

Breakdown by transport stage Total product mass = 0.6 kg

Stage Name	Transport Type	Transport Energy (J/kg.m)	Distance (m)	Energy (J)	%
Transport	32 tonne truck	0.46	4e+05	1.1e+05	100.0
Total			**4e+05**	**1.1e+05**	**100**

Breakdown by components Total transport distance = 4e+05 m

Component	Mass (kg)	Energy (J)	%
Bottle	0.23	4.1e+04	37.5
Cap	0.005	9.2e+02	0.8
Beverage	0.37	6.8e+04	61.7
Total	**0.6**	**1.1e+05**	**100**

Use:

Static Mode

Energy Input and Output Type	Electric to mechanical
Energy Conversion Efficiency	0.28
CO2 Emission (kg/J)	4.6e-08
Power Rating (W)	1.2e+02
Usage (hours per day)	24

Mobile Mode

Fuel and Mobility type	
Energy Consumption (J/kg.m)	0
CO2 Emission (kg/kg.m)	0
Product Mass (kg)	0.6
Distance (m per day)	0

Usage (days per year)	2
Product Life (years)	0
Total Life Usage (hours)	**0**

Usage (days per year)	0
Product Life (years)	0
Total Life Distance (m)	**0**

Relative contribution of static and mobile modes

Mode	Energy (J)	%
Static	0	
Mobile	0	
Total	**0**	**100**

Breakdown of mobile mode by components

Component	Mass (kg)	Energy (J)	%
Bottle	0.23	0	
Cap	0.005	0	
Beverage	0.37	0	
Total	**0.6**	**0**	**100**

Notes: