

LCA - J. H. Orsing AB

Aspirator tube Bio:

72 % lower climate impact compared to the corresponding fossil Orsing product.

- Cradle to Grave
- Carbon footprint based on GWP total (incl. biogenic emissions and land use change, luluc)

		Aspirator Tube Bio				Aspirator Tube (fossil-based)				
Phase	GWP- fossil (g CO₂e)	GWP- biogenic (g CO ₂)	GWP- luluc (g CO₂e)	GWP- total (g CO₂e)		GWP- fossil (g CO₂e)	GWP- biogenic (g CO ₂)	GWP- luluc (g CO₂e)	GWP- total (g CO₂e)	Bio va Fossil based
Material acquisition	4,92	-8,07	-1,08	-4,23		9,40	0,00	0,00	9,40	-145
Production	0,10	0,00	0,00	0,10		0,10	0,00	0,00	0,10	09
Delivery	0,73	-0,42	0,00	0,31		0,79	-0,19	0,00	0,60	-489
Use	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	N/
End of life	0,17	8,88	0,00	9,05		8,23	0,19	0,00	8,42	79
Total	5,92	0,39	-1,08	5,23		18,52	0,00	0,00	18,52	-729

Table 4. Comparison of GWP-total between bio plastic and fossil plastic products

Hygoformic Bio:

41 % lower climate impact compared to the corresponding fossil Orsing product.

- Cradle to Grave
- Carbon footprint based on GWP total (incl. biogenic emissions and land use change, luluc)

		Hygoformic Bio				Hygoformic (fossil-based)				
Phase	GWP- fossil (g CO₂e)	GWP- biogenic (g COe)	GWP- luluc (g CO₂e)	GWP- total (g CO2e)		GWP- fossil (g CO₂e)	GWP- biogenic (g CO ₂)	GWP- luluc (g CO2e)	GWP- total (g CO2e)	Bio vs. Fossil- based
Material acquisition	10,48	-5,40	-0,72	4,37		12,47	-0,01	0,00	12,45	-65%
Production	0,07	0,01	0,00	0,08		0,07	0,01	0,00	0,08	0%
Delivery	0,78	-0,28	0,00	0,51		0,83	-0,19	0,00	0,64	-21%
Use	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	N/A
End of life	0,19	5,92	0,00	6,11		5,31	0,19	0,00	5,50	11%
Total	11,52	0,26	-0,72	11,06		18,67	0,00	0,00	18,67	-41%

Table 4. Comparison of GWP-total between bio plastic and fossil plastic products

