Improving the CO_2 footprint in the automotive sector

Welcome to our next generation sustainable solution.

QIRA

Automotive sector: Helping manufacturers become more eco-friendly

Sustainably manufactured vehicles are still an important challenge for the automotive industry to solve. As consumer demand for eco-friendly solutions is rapidly increasing in one of the most CO_2-intensive industries, QIRA provides easy-to-implement solutions.

With QIRA a large variety of materials can become more sustainable

Cockpits

Car seats

Front & rear end

Steering wheels

Being more sustainable has never been so easy.

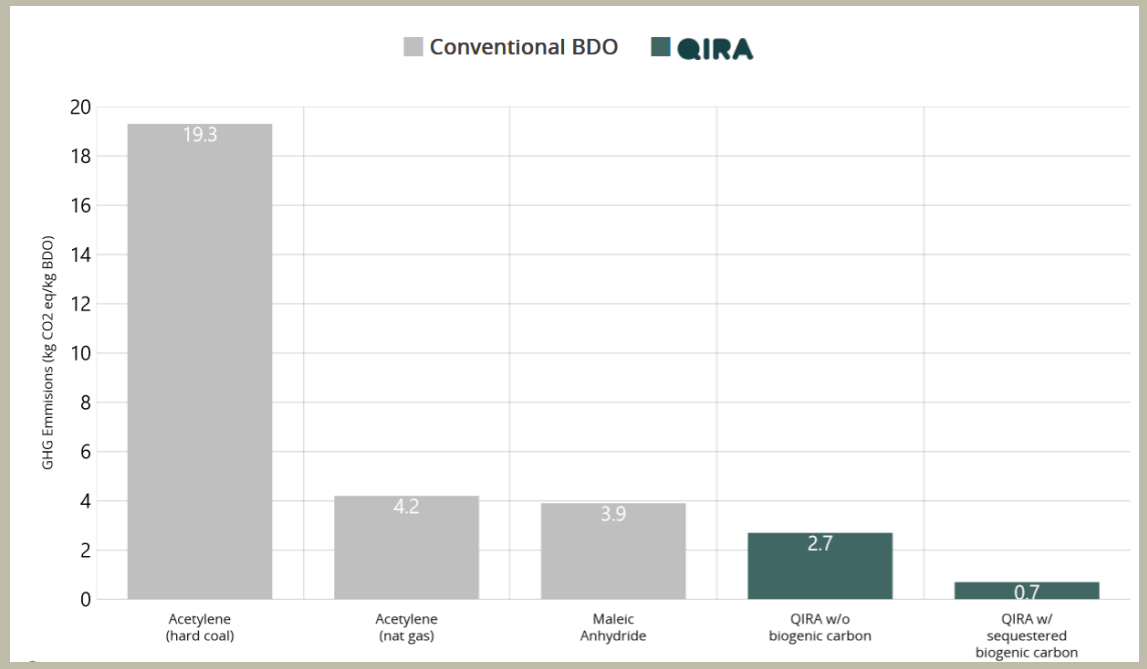
In close collaboration with us, material producers are setting new benchmarks in terms of quality and performance, while driving progress across the whole industry. QIRA-based materials are eco-friendly and deliver superior performance to meet your technical standards.

Sourcing materials made from QIRA allows you not only to keep delivering the quality your customers deserve, but also to enable you to do good for the environment at the same time.

Reduced CO_2 footprint

Due to its unique manufacturing process and use of renewable plants, like corn, QIRA can lower a product's CO_2 footprint compared to products made with conventional BDO.

As QIRA can be used in a variety of industries, such as fashion, automotive, packaging and electronics, it can play an important role in making our planet more sustainable. We continue working with our supply chain partners to further improve QIRA's CO_2 footprint with the goal of becoming "net-zero" or even carbon negative.



Disclaimer: This information is based on preliminary evaluations and is provided for informational purposes only. Specific results for fossil-based products may vary. QIRA (bio-based BDO) GHG calculated based on site-specific data in North America and engineering design from 2021. QIRA (bio-based BDO) results are from an external commissioned study. Conventional BDO results were calculated internally using IPCC 100a method and data from EcoInvent database version 3, assuming production in China. The information in these graphs are based on publicly available sources and unpublished data and is believed to be true and accurate, however, Qore does not guarantee or make any warrant of accuracy or completeness.

Specification

QIRA has the same specification as conventional 1,4-butanediol. To guarantee the same quality of material, producers must ensure that the specification of their raw materials are within a defined range. BDO is globally specified by its purity, moisture content, color and appearance. QIRA offers the same or even higher quality than fossil-fuel based BDOs and therefore can be used as a direct replacement.

	QIRA (bio-based BDO)	Conventional BDO
Assay (wt % 1,4-butanediol)	> 99.5	≥ 99.5
Water (ppm)	< 500	< 500
Color (APHA)	< 10	< 10
Appearance	Clear, free of visible matter	Clear, free of visible matter

QIRA: The following test methods are used: GC, DIN 51777 and DIN EN 1557

QIRA

Please get in touch with us

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