## CERTIFICATE

Certificate-ID.:

C01-2021-03-21251275

Certificate for:

Comparative life cycle assessment of two binder systems for sand core and casting

production

Products:

PUR-Cold-Box and INOTEC™

Certified:

ASK Chemicals GmbH

Reisholzstr. 16-18

40721 Hilden



Review Report No.:

21196331\_001

Applied Standard:

DIN EN ISO 14040:2021, 14044:2021

Life Cycle Scope:

Cradle to Grave

Valid until:

March 22nd 2023

TÜV Rheinland hereby certifies the life cycle inventory for the products stated above and confirms the LCA results per independent review. The Certification is limited to the named version of the review report only. Validity of this certificate may be reviewed by entering the ID number of the TÜV Rheinland Test Mark at certipedia.com.

Cologne, March 09th 2021

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Comparative Life Cycle Assessment

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