



# CERTIFICATE

## Functional Safety

The Software Test Library (STL) for Cortex-A55 has undergone a functional safety assessment to the ISO 26262:2018 series of standards, resulting in a recommendation for acceptance. Therefore the

## STL for Cortex-A55

of ARM, UK,

is judged to support the achievement of functional safety as a SEooC.

### Baseline of the product:

Cortex-A55 STL version r0p0; for the Cortex-A55 HW CPU version r2p0.

**Systematic development according (Automotive) Safety Integrity Level:** ASIL D / SIL 3

Note: The achievement of the quantitative target values was not the subject of the assessment.

### Assessment process:

The functional safety assessment was carried out according to the KUGLER MAAG CIE GmbH inspection process. Additionally, a check against the IEC 61508 2<sup>nd</sup> Edition requirements was performed.

**Assessment report:** FS\_Assessment\_Report\_O4922443\_ARM\_STL\_A55\_20230516\_A

**Assessing organization:** KUGLER MAAG CIE GmbH  
Leibnizstraße 11  
D-70806 Kornwestheim

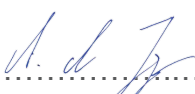
**Level of independence:** I3

**Assessor:** Alexander de Jong

**Assistant:** Alexander Levin  
Fabian Mueller

**Certificate number:** 2022-KMC-026

16<sup>th</sup> of May 2023  
Date

  
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Assessor