



Certificate / Certificat Zertifikat / 合格証

GRA 1805132 C001

exida hereby confirms that the:

CodeSonar Static Analysis Tool

CodeSecure

Bethesda, MD - USA

Has been assessed per the relevant requirement of:

IEC 61508:2010 Part 3, Clause 7.4.4

and meets requirements providing a level of integrity to:

T2 / SIL 4 Qualified

Tool Functions:

The CodeSonar Static Analysis Tool is used to detect and report various conditions and errata in C/C++ source code including program defects and deviations from established practices and coding guidelines. The tool has been qualified based on a tool criticality of T2 for SIL 4, given the application restrictions below.

Application Restrictions:

The tool must be used per the constraints, operating conditions, environments and assumptions of use specified in the product user manual and safety manual.

The manufacturer
may use the mark:



Revision 1.7 October 31, 2023
Surveillance Audit Due
May 1, 2026



Evaluating Assessor

Certifying Assessor

SIL 4 Tool Qualification:

The CodeSonar static analysis tool has met the relevant requirements for support tools of Safety Integrity Level (SIL) 4 of IEC 61508-3 (section 7.4.4). These are intended to achieve sufficient integrity against systematic errors of design by the manufacturer.

CodeSonar Static
Analysis Tool



80 N Main St
Sellersville, PA 18960

The following documents are a mandatory part of certification:
Assessment Report:

GRA 18-05-132 R001 V1R1 Tool Qualification

CodeSecure CodeSonar Documentation:

Tool Safety Manual for CodeSecure CodeSonar
CodeSonar User manual for 5.2P0 and later