Safety-Critical Software Verification Certificate

Certification Body: CSL Verification Authority

Document Type: Safety-Critical Software Verification Certificate

Subject

Medical Device Software Module (Insulin Pump Controller)

Safety Classification: IEC 62304 Class C / FDA 510(k)
Verification Level: Formal Methods + Cryptographic Integrity

Certificate

Certificate ID: 14c2a26148b15bcce8aed6615fbd37c974e492f8db5631371e16aa5178bf2776

Issued At: 2025-10-17 15:26:14 UTC

Validity Period: 3 years

Next Verification Due: 2028-10-17 15:26:14 UTC

Transformation Chain

Stage	Bytes	SHA-256
ORIGINAL	4190	14c2a26148b15bcce8aed6615fbd37c974e492f8db5631371e16aa5178bf2776
CANON	4190	14c2a26148b15bcce8aed6615fbd37c974e492f8db5631371e16aa5178bf2776
PACK (zlib)	1544	35582f3975966321803ff1188fcab03c049a4a64125268eab71294c28f1edc12

Compression Attestation

Algorithm: zlib

Original Size: 4190 bytes Compressed Size: 1544 bytes

Compression Ratio: 0.3684964200477327

Reproducibility

Canonical and original digests match. The certification is deterministically reproducible from the canonical bytes.

Signature

Pending external digital signing. Attach a detached signature and public key reference upon issuance.