



THE MOST RELIABLE WELDING®

# HOFFMAN ARC CO., LTD

## QUALITY CERTIFICATE OF WELDING CONSUMABLE

|                      |                                                |                            |                           |                                 |                          |                                              |                                        |
|----------------------|------------------------------------------------|----------------------------|---------------------------|---------------------------------|--------------------------|----------------------------------------------|----------------------------------------|
| <b>Type</b><br>E4043 | <b>Norm</b><br>ASME SFA 5.3-07<br>AWS A 5.3-99 | <b>Brand Name</b><br>BADEN | <b>Part #</b><br>60040432 | <b>Diameter</b><br>1/8" (3.2MM) | <b>Lot No.</b><br>300824 | <b>Manufactured Date</b><br>Shown on Package | <b>Date of Issue</b><br>10 / 10 / 2024 |
|----------------------|------------------------------------------------|----------------------------|---------------------------|---------------------------------|--------------------------|----------------------------------------------|----------------------------------------|

| Mechanical Properties of Deposited Metal                                     |                         |             |               | Chemical Composition of Deposited Metal (%)                                                                                                                                                                                                                                           |             |               |         |             |                   |
|------------------------------------------------------------------------------|-------------------------|-------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|---------|-------------|-------------------|
| Item                                                                         |                         | Requirement | Actual Result | Element                                                                                                                                                                                                                                                                               | Requirement | Actual Result | Element | Requirement | Actual Result     |
| Yield Strength Rel(MPa)                                                      |                         | --          | --            | C                                                                                                                                                                                                                                                                                     | --          | 0.000         | Ti      | Max. 0.20   | 0.02              |
| Tensile Strength Rm(MPa)                                                     |                         | --          | --            | Si                                                                                                                                                                                                                                                                                    | 4.5-6.0     | 4.860         | Mo      | --          | 0.000             |
| Elongation A5 (%)                                                            |                         | --          | --            | Mg                                                                                                                                                                                                                                                                                    | Max. 0.05   | 0.000         | P       | --          | 0.000             |
| Sharp V<br>noch                                                              | Impact Temp (°C)        | --          | --            | Mn                                                                                                                                                                                                                                                                                    | Max. 0.05   | 0.010         | Fe      | Max. 0.8    | 0.110             |
|                                                                              | Av. Absorbed Energy (J) | --          | --            | S                                                                                                                                                                                                                                                                                     | --          | 0.000         | Cr      | --          | 0.000             |
| X-Ray                                                                        |                         | --          | --            | Zn                                                                                                                                                                                                                                                                                    | Max. 0.10   | 0.010         | Al      | Remainder   |                   |
| Typical moisture of the covering                                             |                         | --          | 0.27 %        | Cu                                                                                                                                                                                                                                                                                    | Max. 0.30   | 0.030         | Be      | Max. 0.0008 | 0.0001            |
| Approved Classification Grade                                                |                         | CCS (--)    | LR (--)       | GL (--)                                                                                                                                                                                                                                                                               | NK (--)     | ABS (--)      | BV (--) | DNV (--)    | KR (--) RINA (--) |
| 10050 NW 116TH Way, Suite 15.<br>Medley, Florida 33178.<br>Telf: 305-4205099 |                         |             |               | This is to certify that the welding consumable conform with the standard<br><br>Signature  Inspection seal  |             |               |         |             |                   |