



MILL TEST CERTIFICATE

EN 13479:2004

|                                      |                                   |                     |
|--------------------------------------|-----------------------------------|---------------------|
| Our Inv. (Ref) No.<br>CB2401         | DATE OF ISSUE<br>Sept,12th,2024   | CERT NO.<br>2409177 |
| Produced By:<br>Empresas carbone S.A | Consigned To:                     |                     |
| BRAND MARK<br>Carbone                | CLASSIFICATION:<br>AWS A5.1 E6011 |                     |

| PART NO. | BATCH NO. | DIA./PACK       | NET WEIGHT |     | MFG. DATE    |
|----------|-----------|-----------------|------------|-----|--------------|
| E6011    | BUC700    | 2.5mm*350mm*5kg | 1000       | KGS | Sept 10,2024 |
| E6011    | BUC701    | 3.2mm*350mm*5kg | 18000      | KGS | Sept 10,2024 |

| CHEMICAL COMPOSITION |       |       |       |        |        |       |       |       |       | ACUTAL VALUES ACC. EN10204 3.1 |    |    |
|----------------------|-------|-------|-------|--------|--------|-------|-------|-------|-------|--------------------------------|----|----|
| REQUIREMENT          | C     | Si    | Mn    | P      | S      | Ni    | Cr    | Mo    | V     | Cu                             | Nb | Fe |
|                      | ≤0.20 | ≤1.00 | ≤1.20 | ≤0.040 | ≤0.035 | ≤0.30 | ≤0.20 | ≤0.30 | ≤0.08 |                                |    |    |
| BATCH NO             |       |       |       |        |        |       |       |       |       |                                |    |    |
| BUC700               | 0.062 | 0.50  | 0.68  | 0.009  | 0.0080 | 0.009 | 0.015 | 0.004 | 0.005 |                                |    |    |
| BUC701               | 0.065 | 0.48  | 0.72  | 0.014  | 0.0110 | 0.014 | 0.014 | 0.004 | 0.008 |                                |    |    |

| MECHANICAL PROPERTIES |                           |  |                         |  |  |                   |  |  |                            |  |  |  |
|-----------------------|---------------------------|--|-------------------------|--|--|-------------------|--|--|----------------------------|--|--|--|
| STANDARDS             | TENSILE STRENGTH<br>(MPa) |  | YIELD STRENGTH<br>(MPa) |  |  | ELONGATION<br>(%) |  |  | IMPACT VALUE<br>(J @-20°C) |  |  |  |
|                       | ≥430                      |  | ≥330                    |  |  | ≥20               |  |  | ≥27                        |  |  |  |
| BATCH NO.             |                           |  |                         |  |  |                   |  |  |                            |  |  |  |
| BUC700                | 470                       |  | 398                     |  |  | 25.5              |  |  | 68 70 70                   |  |  |  |
| BUC701                | 468                       |  | 390                     |  |  | 26                |  |  | 66 74 70                   |  |  |  |

REPORTED STRENGTH VALUES ARE STATISTICAL DATA DERIVED  
FROM ROUTINE TESTING OF THE ITEM IN QUESTION.

This is to certify that the welding consumable conforms to the above standard.

ISSUED BY:

FUNCTION:

QA MANAGER

DATE:

Sept,12th,2024