



# Welding Consumables Annual Re- Approval Certificate

|                             |                           |
|-----------------------------|---------------------------|
| Date<br><b>19 July 2023</b> | Office<br><b>Yokohama</b> |
|-----------------------------|---------------------------|

This certificate is issued to  
**Kobe Steel, Ltd.**  
**Ibaraki Plant**

The undermentioned welding consumables supplied by the company named above have been approved for a further year ending **20 October 2024** with the grading shown.

| Trade Name             | Section | Grading                     |
|------------------------|---------|-----------------------------|
| LB-83E                 | 3       | DXVuO BF 4Y69m H5           |
| DW-460L/CO2            | 5       | DXVuO BF 5Y46S H5 NA        |
| DW-460L/CO2            | 5       | DXVuO BF 3Y47S H5 NA        |
| DW-55L/CO2             | 5       | DXVudO BF 5Y40S H5 NA       |
| DW-55L/CO2             | 5       | XVu BF 5Y40M H5 NA          |
| DW-A55L/80%Ar-20%CO2   | 5       | DXVuO BF 5Y46S H5 NA        |
| DW-A55LSR/80%Ar-20%CO2 | 5       | DXVuO BF 5Y42S H5 NA        |
| MG-50HM/MX-50HM/CO2    | 5       | D BF 3YM NR NA              |
| DW-55L/FB-B3/CO2       | 7       | DXVu B 5Y40S H15 NA         |
| NC-39                  | 8       | DXVuO BF SS/CMn m CHEM NA - |

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