

Guideline

G-10

CLAP

FORM N°X146

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Directive References: Annex I § 3.1.2

Annex I § 3.1.5

Annex I § 4.1

Subject: ESR on materials – Documentation and traceability of welding consumables

Question:

What are the requirements for the documentation and traceability of welding consumables:
- Inspection documents
- Suitable procedures for traceability?

Answer:

Manufacturers of welding consumables shall provide inspection documents affirming compliance with the specification.

Based on section 4 of Annex I and Guideline G-05 (CLAP X141) manufacturers of welding consumables shall provide test report "2.2" as an inspection document in accordance with the standard EN 10204.

The traceability requirement of Annex I section 3.1.5 applies also for welding consumables. It can be maintained by procedural methods that cover receipt, identification, storage, transfer to production; temporary storage and use in production, availability of correct inspection documents at the final inspection (see also Guideline G-04 (CLAP X140)).

Note: Welding consumables are defined by trade name, designation and relevant EN classification standard. Inspection documents of welding consumables should give test results, for technical characteristics according to designation and classification standard, such as:

- Chemical composition of welding filler metal or all-weld metal as appropriate
- Tensile properties of all-weld metal: tensile and yield strength, elongation
- Impact properties of all-weld metal at temperature according to designation.

Test results are based on non-specific inspection and testing. They can be given for example as typical values based on quality control tests.