



**Qualification Test Record (QTR)
NORSOK M-650**

QTR. No.:
Gr4A CASTINGS

Rev. No.:6

Manufacturer name/address/ Web page: Fondinox S.p.A – via Marconi 42/48 – Sergnano - ITALY
ph: 0039 0373 45651 / fax: 0039 0373 455100 / email: fondinox@fondinox.com

Reference standard NORSOK M-650, Edition 4

Material designation and MDS No.: ASTM A995 Gr4A
MDS D46 REV.5

Manufacturing Summary doc. No.: A995 Gr4A SAND CASTINGS Rev. No.:4

Products and manufacturing process(es): SAND CASTINGS

- Mandatory conditions and sub-contractors:**
- HEAT TREATMENTS in furnaces Sofind, Felind and Ferré
 - MATERIAL TESTING BY EXOVA or FONDINOX in-house laboratory (as per activity no. 24 of relevant MS)

- Other information:** Changes from previous Edition:
- Re-included furnace Ferré
 - One verification of heat treatment (as per par 9.3 of M650 Ed.4) carried out in year 2016 at 1235°C on Ferré furnace
 - Included furnace Sofind
 - Two verification of heat treatment (as per par 9.3 of M650 Ed.4) carried out in year 2013 at 1250°C on Felind and Sofind furnaces
 - Two verification of heat treatment (as per par 9.3 of M650 Ed.4) carried out in year 2014 at 1250°C on Felind and Sofind furnaces
 - Re-qualified with testing

Qualification expires: 05/2020

Tested and qualified thickness and weight

Products and manufacturing process(es):	Test record No.	Tested thickness mm	Qualified thickness mm	Test piece weight kg	Qualified weight kg
SAND CASTINGS	80846	300	300	1705	ALL

Qualification/acceptance signatures

Manufacturer: **Prepared by/Date:** A. POLONINI – 05/09/2016 **Checked by/Date:** M. CARNITI– 05/09/2016

The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.
This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.

Qualified/Accepted by (Company name /address): **Signature/Date:**
 FRANCESCO MENIN
 Quality Control Manager
 5 Sept. 2016

VALMIGLIA SPA DIVISIONE UTILE
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