



DNV

DET NORSKE VERITAS

DNV id No: PRJC-243578-2010-OTH-BRA
Ref.: AUTOMATICA TECNOLOGIA S.A.
Ord.No.: W.O. 14050091 – Activity INS-A

TESTING REPORT:

Request: **Automática Tecnologia S.A.**

Site: Serra / Espírito Santo / Brazil

Date: 07 /27 /2010

Det Norske Veritas, attending a request by AUTOMATICA TECNOLOGIA S.A., carried out the inspections and testing of the equipment identified below, in order to determine its conformity with ISO 4700:2007.

I - EQUIPMENT:

Automatic Machine for Compression Strength iron ore pellets.
Identification of the equipment tested:

Serial number: ATPWOM1050
Software version: 6.00 IP

II - REFERENCE:

International Standard ISO 4700 – Third edition 2007-09-01

III - TESTING:

Had been evaluated:

- The test apparatus according to item 6;
- The procedure of de testing according to item 7;
 - Speed of compressive plate (mm/minute);
 - Applied Load to the pellet;
 - Load falls to a value of 50% or more of the maximum load recorded;
 - Platen gap reduced to 50% of the initial mean test piece diameter.
- The test report according to item 8 and 9.

IV - MEASUREMENT DEVICES:

Strength Calibration:

Digital Dynamometer – Kratos / code: IK-15 / Serial number: 3275330

Calibration Certificate number: SCM 1590S/10 / Laboratory: ONIX Metodologia.

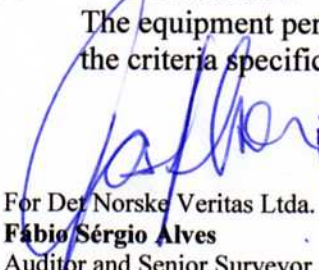
Measure test speed:

Digital Caliper – Precision Digital / number: 06114500

Digital stopwatch – Citizen Promaster / number 84121S

IV - CONCLUSION:

The equipment performs the Compression Strength Test of iron ore pellets according to the criteria specification of **ISO 4700-2007**.


For Det Norske Veritas Ltda.
Fábio Sérgio Alves
Auditor and Senior Surveyor.



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