



DNV

DET NORSKE VERITAS

TESTING REPORT

Rel. No.: NV- 71.089
Ref.: VIT- 71.089
Ord.Nr.: 71.089

Det Norske Veritas Ltda, attending a request of AUTOMATICA TECNOLOGIA S.A., carried out the inspections and testings of the equipment, identified below, in order to determine its conformity with ISO 4700:1996.

I- EQUIPMENT

Automatic Machine for Compression Strength of iron ore pellets –Version 1.1

II- REFERENCE

International Standard ISO 4700 – Second Edition 1996

III- TESTING

Had been evaluated:

- speed of compressive platen in mm/minute;
- applied load to the pellet;
- load falls to a value of 50% or less of the maximum load recorded;
- platen gap reduced to 50% of the initial mean test piece diameter.

IV- MEASUREMENT DEVICES

Digital Dinamometer – TAG 81PTCL0004

Digital Caliper – TAG 81PRPQ4002

V- CONCLUSION

The equipment performs the Compression Strength Test of iron ore pellets according to the criteria and specification of ISO 4700:1996.

Vitória, November, 10 2003


Tarciso Ec. Madua de Almeida

Eng. Civil – CREA/ES 6.182-D

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.