



TYPE TEST CERTIFICATE

1016230/04B-EN

This certificate attests that the equipment here-after mentioned :

- **RECHARGEABLE NICKEL-CADMIUM BATTERIES**

type XHP

(capacity from 11 Ah to 320 Ah)

manufactured by par :

- **ALCAD LTD**

111 Boulevard Alfred DANEY
33074 BORDEAUX FRANCE

has been checking satisfactory to the approval type tests type prescribed by the standard :

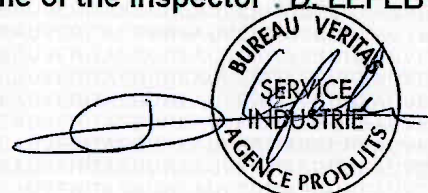
- IEC 60623 Ed.4.0. (2001-sept)

Made at CANEJAN

On Jul 1st 2003

For Bureau Veritas

Name of the inspector : D. LEFEBVRE





These additional tests in regard with the last edition of the standard have been carried out on cells type XHP 100 in conformity with the table 4 and 6 (Cell type H). According to the manufacturer's declaration the cells have not been modified since the original fabrication.

Discharge at + 5°C at 0,2 It during 4h 35 mn ; 1,0 It during 43 mn ; 2 It during 12mn as per § 4.2.2

Hight current discharge (15 It A during 5 s) as per § 4.2.4

Electrolyte retention after overcharge at 0.05 It A during 2 h as per § 4.8

Validity :

Any significant modification about physical, chemical or electrical property of component may invalid this certificate.

Documents : drawing 210682 XHP 100

Conclusion :

The results of tests have been found conform to the standard IEC 60623 Ed 4.0.

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