

Certificate

Quality-Assurance System for Manufacturer of Materials acc. to Directive 97/23/EC

Certificate no.: 01 202 ZA/Q-09 0079

Name and address of the
manufacturer:

**Hulamin (Pty) Ltd.
Moses Mabhida Road
Pietermaritzburg 3200
South Africa**

Herewith we certify that the material manufacturer has established and applies a Quality Management System. The system was audited according to the European Directive 97/23/EC, Annex I, Par. 4.3, with regard to the materials as listed in the scope of approval.

Tested acc. to Directive
97/23/EC:

**QM System acc. to EN 764-5, article 4.2 and
AD 2000-Merkblatt W0**

Audit report no.:

ZA/Q-09 0079

Range of materials:

Manufacturing of 15 to 50 mm Wrought Aluminium Products Plate
5083 H111 as per AD 2000 W0, see annex to certificate

Manufacturing plant:

**Hulamin (Pty) Ltd.
Moses Mabhida Road
Pietermaritzburg 3200
South Africa**

Valid until:

September 30, 2018

Cologne, November 30, 2015

Dipl.-Wirt.-Ing. Smitha Pazhamannil



TÜV Rheinland-Certification Body for
Pressure Equipment
TÜV Rheinland Industrie Service GmbH
Notified Body, ID-No. 0035
Am Grauen Stein, D-51105 Köln

E-106b-Rev7

Annex to Certificate No.: 01 202 ZA/Q 09 0079

Details of the Validity of the Approval as Manufacturer of Materials in accordance to DGR 97/23/EC and AD2000-W0/TRD 100 respectively

Manufacturer		Work		Nationality	Date	Page No..	TÜV-Name /Stamp					
Company Name: Hulamin Limited		Moses Mahbida Rd, Pietermaritzburg, 3200		ZA	10-09-2012	1	TÜV Rheinland Industrie Service					
Location: South Africa					Rev.:	1	GmbH					
Cur-Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions		Weight max	Technical Specifications Requirements Technical Regulations	Remarks				
				Thickness mm	Ø mm	1=t / 2=kg						
				fro m to	fro m to	↓	Re sul t					
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
<p>The use of the materials according to DGR 97/23/EC is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.</p>												
01	Wrought Aluminum Plate.	5083 H111	S	Plate for Pressure Vessel construction	15	50	N/A	N/A	N/A	N/A	AD 2000 W6/1	
Remarks		* AT = solution treated N = Normalized or normalizing formed SR = stress relieved M = thermo mechanical treated AR = not treated		QT = quenched and tempered NT = normalized and tempered S = soft annealed		a = material b = delivery condition c = article d = dimensions in tech. regulations e = weight f = No. of tech. regulation						