

Prevzemno spričevalo o preizkušanju/Abnahmepruefzeugnis/Inspection Certificate **EN 10204/3.1**

Št./Nr./No. **A22-13739**

SITHERM 2344

Znak proizvajalca/Zeichen des Herstellerwerks/Mark of the Manufacturer



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Naročnik/Besteller/Purchaser

JINDAL ALUMINIUM LIMITED
16th K.M.TUMKUR ROAD,JINDAL NAGAR

Datum/Datum/Date

27.09.2022

560073 BANGALORE
INDIA

Odpremnica/Lieferschein/Delivery Note

03-22-68991

Št.naročila/Bestell Nr./Order No.

IMP/22-23/POI20220704

Poz./Charge/Serialnr./Pos.

Int.nar./Unsere Auftrag Nr./Works Order No.

N22-02458/003

Predmet/Gegenstand/Subject

Forged bar EFS Turned

Kvaliteta/Stahlmarke/Grade of steel

H13 - 1.2344 EFS

Term. obd./Waermebehandlung/Heat treatment

Spheroidization annealed

Standard/Anforderungen/Requirements

EN ISO 4957, ASTM A681-08, NADCA 207-2011

Načrt/Zeichnung/Drawing

363 x 2500-5000 mm ROUND

Kos/Stk/Pcs

2

Masa/Masse (kg)

5558

Št. šarže/Schmelze Nr./Heat No.: **21122**

Kemijska sestava/Chemische Zusammensetzung/Chemical Composition (%)

| C | Si | Mn | P | S | Cr | Mo | V |
|-------------|-------------|-------------|--------------|--------------|-------------|-------------|--------------|
| 0,38 | 0,82 | 0,43 | 0,015 | 0,002 | 5,01 | 1,22 | 0,870 |

Trdota materiala/Haerte von Material/Hardness of material: **(173-191) HB**

Mehanske lastnosti/Ergebnis der Prüfungen/Test Results

| Proba Probe Specimen | Smer Direction Richtung | Dimenzija Dimension Size mm | J | | |
|----------------------------|-------------------------------|-----------------------------------|----------------------|-----------|-----------|
| | | | ISO-V (V45°) 23°C | | |
| 2022-K2076/O | T | | 15 | 13 | 11 |

Grain size ASTM E112: **7**

Nonmetallic inclusion ASTM E45-met A: **At=0;Bt=0;Ct=0;Dt=1;Ad=0;Bd=0;Cd=0;Dd=0,5;**

Mikrostruktura NADCA 207-2003: **AS4**

Microstructure Nadca 229-2011: **acceptable**

Opomba/Bemerkung/Note

The material was controled by Ultrasound method acc.to EN 10228-3:kl.2 and is suitable.

Radioactivity Inspection: Measured value is below Co-60<0.10 Bq/g (According to specification IAEA RS-G-1.7, Table 2)

The material is in accordance with the required properties

Kontrola
Pruefstelle
Inspection



Način pretaljevanja
Erschmelzungsart
Steelmaking process

EAF+LF+VD

Način litja
Giessart
Method of casting

Ingots



TERGLAV MELITA
Quality Control

Prevzemno spričevalo o preizkušanju/Abnahmepruefzeugnis/Inspection Certificate **EN 10204/3.1**

Št./Nr./No. **A22-13740**

SITHERM 2344

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Znak proizvajalca/Zeichen des Herstellerwerks/Mark od the Manufacturer



Naročnik/Besteller/Purchaser

JINDAL ALUMINIUM LIMITED
16th K.M.TUMKUR ROAD,JINDAL NAGAR

Datum/Datum/Date

27.09.2022

560073 BANGALORE
INDIA

Odpremnica/Lieferschein/Delivery Note

03-22-68991

Št.naročila/Bestell Nr./Order No.

IMP/22-23/POI20220704

Poz./Charge/Serialnr./Pos.

Int.nar./Unsere Auftrag Nr./Works Order No.

N22-02458/004

Predmet/Gegenstand/Subject

Forged bar EFS Turned

Kvaliteta/Stahlmarke/Grade of steel

H13 - 1.2344 EFS

Term. obd./Waermebehandlung/Heat treatment

Spheroidization annealed

Standard/Anforderungen/Requirements

EN ISO 4957, ASTM A681-08, NADCA 207-2011

Načrt/Zeichnung/Drawing

428 x 2500-5000 mm ROUND

Kos/Stk/Pcs

2

Masa/Masse (kg)

9288

Št. šarže/Schmelze Nr./Heat No.: **21122**

Kemijska sestava/Chemische Zusammensetzung/Chemical Composition (%)

| C | Si | Mn | P | S | Cr | Mo | V |
|-------------|-------------|-------------|--------------|--------------|-------------|-------------|--------------|
| 0,38 | 0,82 | 0,43 | 0,015 | 0,002 | 5,01 | 1,22 | 0,870 |

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Kontrola
Pruefstelle
Inspection



Način pretaljevanja
Erschmelzungsart
Steelmaking process

EAF+LF+VD

Način litja
Giessart
Method of casting

Ingots



TERGLAV MELITA
Quality Control