CWM Survey & Inspection
Sluisjesdijk 127
3087 AE Rotterdam
The Netherlands

Branch office
Princenhagelaan 7B
4813 DA Breda
The Netherlands
t. +31 (0)76 30 30 100

ORIGINAL

CERTIFICATE Of INSPECTION

Certificate Number	SU19384/8199	**Issuance date**	03-02-2023

Importer/Notify	ALRAED FACTORY FOR IRON PRODUCTION	**Address**	SUDAN, KHRATOUM, SOBA SAFOLA BLOCK 3 FACTORY NO 59
Producer	RIZHAO STEEL HOLDING GROUP CO., LTD. & TSD STAR HOLDING GROUP LIMITED	**Address**	CHINA
Exporter	TSD STAR HOLDING GROUP LIMITED	**Address**	ROOM 1607 TREND CENTRE 29-31 CHEUNG LEE STREET CHAI WAN HONG KONG
BILL NUMBER	NP2301TJSD301/302	**Date of Bill**	06-01-2023

Country of shipment	CHINA	**Method of shipment /Vessel / Voy.**	SEA / NASCO PEARL / V.2301
Place of inspection	XINGANG PORT, CHINA	**Port of Loading :**	XINGANG SEAPORT, CHINA
Port of arrival	SUDAN SEA PORT, SUDAN	**Place of discharging**	SUDAN SEA PORT, SUDAN

We, CWM Survey and Inspection, hereby testify that the goods listed below have been inspected prior to loading

Sampling & Inspection date : 26-12-2022

Weight : 1203.954 MT (Gross weight) & 1201.704 MT (Net Weight)/ 135 COILS

Item	Goods Description	Quantity/mt	Quantity/ Coils	Country of origin	Grade(s)
HOT ROLLED STEEL COILS (SDS 1079-1:2015)					
1	SIZE: 0.80x1250mm / MILL EDGE	692.27 MT (Net)	60	China	HR235
BLACK ANNEALED COLD ROLLED COILS (SDS 5772-2017)					
1	SIZE : 0.55x1219mm / MILL EDGE	204.118 MT (Net)	30	China	CR220
2	SIZE : 1.1x1219mm / MILL EDGE	305.316 MT (Net)	45	China	CR220

Packing : the products have been packed in total 135 coils
60 Coils of HOT ROLLED STEEL & 75 Coils of BLACK ANNEALED COLD ROLLED

Check weighing / Size : the actual weight found to be 1201.704 mt, as follows:
1) HOT ROLLED STEEL COILS – 692.27 MT
2) BLACK ANNEALED COLD ROLLED COILS – 509.434

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Inspection : Our delegates attended at **Xingang Port, China on 26/12/2022** where they carried out inspection and tally account of above mentioned products which revealed following results: 135 coils, 1201.704 MT (Net Weight)

Sampling and analysis results : Samples of the above referenced cargo were properly collected by our Inspector(s) during inspection as per SDS 1090:2014.
Analysis of random samples according to SDS 1079-1:2015(HR235) by an **ISO 17025/2017** accredited laboratory Comprehensive Technology Center of Foshan Customs - **Accreditation Certificate Number CNAS L1978, Valid to 25 JAN 2025 , Address: Guangdong Prov., China**, on representative samples revealed following results:

HOT ROLLED STEEL COILS:0.8*1250mm

	CHEMICAL , PHYSICAL & MECHANICAL PROPERTIES DATE OF START ANALYSIS 28/12/2022 CERTIFICATE OF ANALYSIS NUMBER 24202200693 DATE OF ISSUANCE 04/01/2023			
Tests	**Test Item**	**Tolerance limit**	**Test Result SIZE: 0.8x1250mm**	**Conclusion**
Chemical Composition (Product Analysis)	C%	≤0.22	0.01	Confirm
	Si %	≤0.50	0.03	Confirm
	Mn%	≤1.40	0.10	Confirm
	P%	≤0.04	0.022	Confirm
	S%	≤0.04	0.002	Confirm
Mechanical Properties	Yield strength (R_{el}) MPa	≥235	310	Confirm
	Tensile strength(R_m) MPa	≥330	386	Confirm
	Percentage elongation after fracture (A_{50}) %	≥21	41.0	Confirm

BLACK ANNEAKED COIL ROLLED COILS: 0.55*1219mm & 1.1*1219mm

Samples of the above referenced cargo were properly collected by our Inspector(s) during inspection as per SDS 1090:2014.
Analysis of random samples according to SDS 5772-2018\Amed.1:2018(CR220) by an **ISO 17025/2017** accredited laboratory Comprehensive Technology Center of Foshan Customs - **Accreditation Certificate Number CNAS L1978, Valid to 25 JAN 2025 , Address: Guangdong Prov., China**, on representative samples revealed following results:

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	CHEMICAL , PHYSICAL & MECHANICAL PROPERTIES **DATE OF START ANALYSIS 28/12/2022** **CERTIFICATE OF ANALYSIS NUMBER 24202200693** **DATE OF ISSUANCE 04/01/2023**				
Tests	**Test Item**	**Tolerance limit**	**Test Result SIZE: 0.55*1219mm**	**Test Result SIZE: 1.1*1219mm**	**Conclusion**
Chemical Composition (Product Analysis)	C%	≤0.15	0.05	0.04	Confirm
	Mn%	≤1.20	0.25	0.22	Confirm
	P%	≤0.035	0.035	0.027	Confirm
	S%	≤0.035	0.020	0.026	Confirm
	Ceq	≤0.40	0.14	0.11	Confirm
Mechanical Properties	Yield strength (R_{el}) MPa	≥220	483	395	Confirm
	Tensile strength(R_m) MPa	≥300	527	453	Confirm
	Percentage elongation after fracture (A_{50}) %	≥22	24.5	24.0	Confirm

Check of dimensions : the dimensions found to be as follows complying to SDS 1079-1:2015

HOT ROLLED STEEL COILS

Standard Dimensions	**Average dimensions**				
	Thickness (mm)	Width (mm)	Camber (mm)	Flatness (mm)	Out-of-squareness (%)
0.80x1250mm	0.802	1251	16	3.5	0.3

: the dimensions found to be as follows complying to SDS 5772:2017 (CR220):

BLACK ANNEAKED COIL ROLLED COILS

Standard Dimensions	**Average dimensions**				
	Thickness (mm)	Width (mm)	Camber (mm)	Flatness (mm)	Out-of-squareness (%)
0.55*1219mm	0.548	1220	16	3.5	0.3
1.1*1219mm	1.098	1220	16	3.5	0.3

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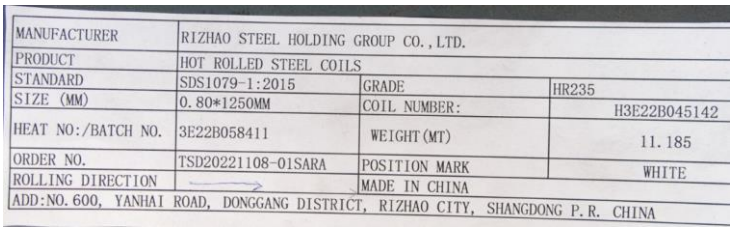
Marking : The following marking has been observed on Coils:

HOT ROLLED STEEL COILS- 0.80x1250mm

MANUFACTURER**: RIZHAO STEEL HOLDING GROUP CO.,LTD.**
PRODUCT.: **HOT ROLLED STEEL COILS**
STANDARD : **SDS 1079-1:2015**
GRADE : **HR235**
SIZE : **0.80 X 1250MM**
COIL NUMBER : **H3E22B045142 (variable)**
HEAT NO./BATCH NO. **: 3E22B058411**
WEIGHT (MT): **11.185(variable)**
ORDER NO : TSD20221108-01SARA
POISTION MARK : **WHITE**
ROLLING DIRECTION : →
MADE IN CHINA
ADD: NO.600, YANHAI ROAD, DONGGANG DISTRICT, RIZHAO CITY, SHANDONG P.R. CHINA



MANUFACTURER	RIZHAO STEEL HOLDING GROUP CO., LTD.		
PRODUCT	HOT ROLLED STEEL COILS		
STANDARD	SDS1079-1:2015	GRADE	HR235
SIZE (MM)	0.80*1250MM	COIL NUMBER:	H3E22B045142
HEAT NO:/BATCH NO.	3E22B058411	WEIGHT(MT)	11.185
ORDER NO.	TSD20221108-01SARA	POSITION MARK	WHITE
ROLLING DIRECTION	→	MADE IN CHINA	
ADD:NO. 600, YANHAI ROAD, DONGGANG DISTRICT, RIZHAO CITY, SHANGDONG P.R. CHINA			

BLACK ANNEAKED COIL ROLLED COILS - 0.55*1219 mm

MANUFACTURER : TSD STAR HOLDING GROUP LIMITED
PRODUCT : BLACK ANNEALED COLD ROLLED COILS
COIL NUMBER : T322B2972/3-3 ***(Variable)***
STANDARED : SDS5772:2017 (CR220)
SIZE(mm) : 0.55*1219 mm
GRADE : CR220
NET WEIGHT (kgs) : 6878.00 ***(Variable)***
POSITIONING MARKS : V
GROSS WEIGHT (kgs) : 6908.00 ***(Variable)***
HEAT NO. 20221220002
ORIGIN : MADE IN CHINA
OIL : SLIGHTLY OILED
PRODUCTION DATE : 2022-12-05
DIRECTION OF ROLLING : LONGITUDINAL
PAINTING MATERIAL : OIL
ADD : SOUTH OF WUPING EAST ROAD, SHENGFANG, BAZHOU, HEIBEI PROVINCE, CHINA

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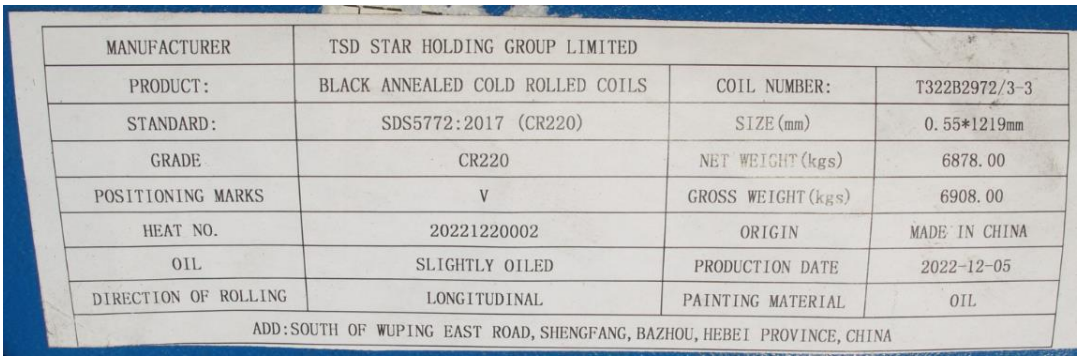
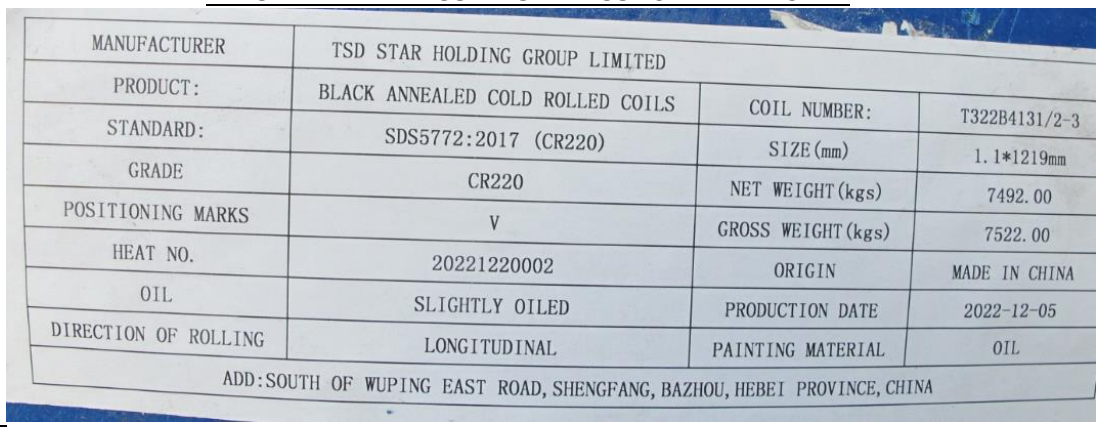


MANUFACTURER	TSD STAR HOLDING GROUP LIMITED		
PRODUCT:	BLACK ANNEALED COLD ROLLED COILS	COIL NUMBER:	T322B2972/3-3
STANDARD:	SDS5772:2017 (CR220)	SIZE(mm)	0.55*1219mm
GRADE	CR220	NET WEIGHT(kgs)	6878.00
POSITIONING MARKS	V	GROSS WEIGHT(kgs)	6908.00
HEAT NO.	20221220002	ORIGIN	MADE IN CHINA
OIL	SLIGHTLY OILED	PRODUCTION DATE	2022-12-05
DIRECTION OF ROLLING	LONGITUDINAL	PAINTING MATERIAL	OIL
ADD:SOUTH OF WUPING EAST ROAD, SHENGFANG, BAZHOU, HEBEI PROVINCE, CHINA			

BLACK ANNEAKED COIL ROLLED COILS - 1.1*1219mm



MANUFACTURER	TSD STAR HOLDING GROUP LIMITED		
PRODUCT:	BLACK ANNEALED COLD ROLLED COILS	COIL NUMBER:	T322B4131/2-3
STANDARD:	SDS5772:2017 (CR220)	SIZE(mm)	1.1*1219mm
GRADE	CR220	NET WEIGHT(kgs)	7492.00
POSITIONING MARKS	V	GROSS WEIGHT(kgs)	7522.00
HEAT NO.	20221220002	ORIGIN	MADE IN CHINA
OIL	SLIGHTLY OILED	PRODUCTION DATE	2022-12-05
DIRECTION OF ROLLING	LONGITUDINAL	PAINTING MATERIAL	OIL
ADD:SOUTH OF WUPING EAST ROAD, SHENGFANG, BAZHOU, HEBEI PROVINCE, CHINA			

Delivery and transport : the consignment has been shipped on board for onward transport to Sudan.

General conditions of goods : Basis the above we confirm the inspected goods are in conformity with SDS 1079-1:2015 & SDS 5772:2017.

Shipment details : as per attached Bill of Lading

For and on behalf of

CWM Survey and Inspection

All above mentioned results are final at place of inspection.

CWM SURVEY & INSPECTION ROTTERDAM

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