CNAS L3650

PURCHASER:	NSS FASTENERS(PTY) LTD	CERT NO	703837	PO# NO	456547
ADDRESS	140 North Reef Road, Elandsfontein	CUST P/N	SM4ROD20001	ITEM NO:	4529
SIZE	M20-2.5 X 1M	MATERIAL TYPE	316L Stainless Steel	Surface	Passivate
MARKING	PINK	SHIP QTY	45 Z1	HEAT NO:	N180502AS10
		COMMODITY:	DIN975-1986	LOT NO	Z210965570002
MFR. DATE	2018/05/22	Product Name:	Threaded Rods	Production QTY	750 PC
Sampling Date	2018/05/28	Test Date	2018/05/28		

DIMENSIONAL INSPECTIONS (mm) SPECIFICATION DIN975-1986 Sample Plan spec ISO3269-2000

CHARACTERISTICS	SPECIFIED	ACTUAL RESULT	SAMPLE SIZE	SAMPLE DETERMINANT
Nominal Length	996.00 <---> 1004.00	1000.00 <---> 1001.00	8	Qualified
Major Diameter	19.623 <---> 19.958	19.753 <---> 19.763	8	Qualified
Pitch Diameter(GO/NOGO) 6g ISO965-1:2013	18.164 <---> 18.334	PASSED	8	Qualified
SURFACE DISCONTINUITIES	ISO 6157-2:1995	PASSED	32	Qualified

MECHANICAL PROPERTIES SPECIFICATION ISO3506-1:2009 Sample Plan spec ISO3269-2000

CHARACTERISTICS	SPECIFIED	TEST METHOD	ACTUAL RESULT	SAMPLE SIZE	SAMPLE DETERMINANT
Core Hardness	80 <---> 100	ISO 898-2:2012	94 <---> 95	2	Qualified
Tensile Strength(N/mm^2)	500 min	ISO 898-2:2012	750 <---> 752	3	Qualified
Yield Strength(N/mm^2)	210 min	ISO 898-2:2012	635 <---> 640	3	Qualified
Elongation	30 min	ISO 898-2:2012	44 <---> 45	3	Qualified

CHEMICAL COMPOSITION%(Maximum value beseide standard range.)

Heat Number	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	SAMPLE DETERMINANT
SPECIFICATION	0.08	1	2	0.045	0.03	10 - 14	16 - 18.0	2 - 3	-		
N180502AS10	0.019	0.34	0.91	0.039	0.002	10.05	16.29	2.07	0.39		Qualified

Finish treatment according to ASTM A380-17 This Lot fit the demands of EN10204 3.1

Jiajuan.shen

Authorization

he yun. chen

Verification

xiangfen.c

Sampler

2019/08/27

Date

THE PARTS WERE MANUFACTURED, SAMPLED, TESTED AND INSPECTED WITH THE REQUIREMENTS OF THE SPECIFICATION LISTED.
INSPECTION RESULT:SAMPLES TESTED CONFORM TO ALL OF SPECIFICATION AS ABOVE THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL.
WHENEVER TESTING DISCREPANCIES ARE DETECTED OR DEPARTURES FROM DOCUMENTED POLICIES AND PROCEDURE OCCUR, THEY WILL BE SHOWN IN REMARK.
1HRC for Screw & Bolt with partial thread;HRB(S) for NutThread rod and Bolt & Screw with full thread.