CNAS L3650

PURCHASER:	NSS FASTENERS(PTY) LTD	CERT NO	723303	PO# NO	458229
ADDRESS	140 North Reef Road, Elandsfontein	CUST P/N	SM4NUT93420	ITEM NO:	4953
SIZE	M20-2.5	MATERIAL TYPE	316L Stainless Steel	Surface	Passivated
MARKING	A4-80 THE	SHIP QTY	9720 Z2	HEAT NO:	N191026AV09
		COMMODITY:	DIN934-1987	LOT NO	Z214371350002
MFR. DATE	2019/12/27	Product Name:	Hex Nuts	Production QTY	59321 PC
Sampling Date	2020/01/02	Test Date	2020/01/02		

DIMENSIONAL INSPECTIONS (mm) SPECIFICATION DIN934-1987 Sample Plan spec ISO3269-2000

CHARACTERISTICS	SPECIFIED	ACTUAL RESULT	SAMPLE SIZE	SAMPLE DETERMINANT
Width Across Flats	29.16 <---> 30.00	29.28 <---> 29.32	13	Qualified
Across Corner	32.95 min	33.47 <---> 33.49	13	Qualified
Thickness	14.90 <---> 16.00	15.17 <---> 15.25	13	Qualified
Minor Diameter	17.294 <---> 17.744	17.720 <---> 17.740	13	Qualified
Pitch Diameter(GO/NOGO) ISO965-1:2013	18.376 <---> 18.600	PASSED	13	Qualified
SURFACE DISCONTINUITIES	ISO 6157-2:1995	PASSED	100	Qualified

MECHANICAL PROPERTIES SPECIFICATION ISO3506-2:2009 Sample Plan spec ISO3269-2000

CHARACTERISTICS	SPECIFIED	TEST METHOD	ACTUAL RESULT	SAMPLE SIZE	SAMPLE DETERMINANT
Proof Load(N/mm^2)	800 min	ISO 898-2:2012	PASSED	2	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	-		
N191026AV09	0.019	0.39	0.93	0.037	0.002	10.04	16.23	2.02	0.32		Qualified

Finish treatment according to ASTM A380-17

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Authorization	Verification	xiuqiong.h	2020/04/02
		Sampler	Date

This Lot fit the demands of EN10204 3.1

THE PARTS WERE MANUFACTURED, SAMPLED, TESTED AND INSPECTED WITH THE REQUIREMENTS OF THE SPECIFICATION LISTED.
PARTS ARE MANUFACTURED AND TESTDE ACCORDING TO ABOVE SPECIFICATION AND COMPLIANCE WITH ORDER, WE CERTIFY THAT THIS IS A TRLE REPRESENTATION OF INFORMATION PROVIDED BY MANUFACTURER AND LABORATORY.
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.