

8

		Technical/ Material Specification		No. CD001-TK009-MS-04	
				Date: 15.06.2010 Rev. No. 0	
				Page 1 of 1	
Product	:	Alloy Steel Hexagonal Nut			
Material	:	SA 194-7			
Condition	:	Hot Wrought			
Technical Requirement	:	The material furnished under SA 194-7 shall meet the requirements of ASME B & PV Code Section II Part A specification SA 29 / SA 29M (Edition 2001)			
Chemical Composition	:	As per Table below;			
Chemical Composition (%)					
C	Mn	P	S	Si	Cr
0.37-0.49	0.65-1.10	≤ 0.035	≤ 0.04	0.15-0.35	0.75-1.20
					Mo
					0.15-0.25
Mechanical Properties :					
i) Hardness					
		HB		HRC	
		248-352		24-38	
ii) Proof Load					
Nuts should be capable of withstanding proof load as specified in Table-3 or 4 of SA-194 specification for Grade 7.					
Certified Mill Test Reports:					
i) Mechanical test (Hardness, Proof load) report for each lot of Nuts.					
ii) Chemical analyses report of each lot of Nuts from a specific heat.					
Tests:					
i) Nuts shall be visually examined.					
Quality:					
Nuts should be free from defects with good commercial finish.					
Marking:					
Marking of Nuts shall conform to the article 14 of SA-194 / SA-194M (2001).					
Manufacturer's certificate, certifying that Nuts have been made to the requirements as mentioned above and given in relevant sections of ASME and ASTM standard, shall be submitted. All certificates shall be in English.					