ARCHO    SELION   SECOND   MAETO   SULP   MACTO   SULP	91, 01.07.2018 92, 11.05.23    STI
STEEL TO NO   SOUTH STORE	%Ti %B
Section   Sect	%Ti %B
1.000	- 0.000
100   100	- 0.000
Steel Supply Condition:	ma
Sized Supply Condition:	moth
Size   Caper Wi	1.eg/   0.va
SINO   1   2   3   4   5   6   7   8   9   10   11   12	
SEAL SUPPLY CONDITION:   See   Supply Cond	
Seed Supply Condition:	
Mill Tc  Steel Supply Condition:  HOT Roll 6  Walve Mill Tc  Walve Mill Tc  Walve Description:  Steel Supply Condition:  HOT Roll 6  Walve Description:  Steel Supply Condition:  HOT Roll 6  Walve Description:  Steel Supply Condition:  Steel Suppl	
Mill Tc  Steel Supply Condition:  HOT Roll 6  Walve Mill Tc  Walve Mill Tc  Walve Description:  Steel Supply Condition:  HOT Roll 6  Walve Description:  Steel Supply Condition:  HOT Roll 6  Walve Description:  Steel Supply Condition:  Steel Suppl	
Steel Supply Condition:    Hot Roll ed	
Mill Tc 88.4 1.16 13.9  Steel Supply Condition:  HAST MALES  MACRO (I) Internal soundness Sample: (ASTM E381 or as per customer)  Value Obs.  S2 R2 C2 MAX  Value Obs.  S2 R2 C2 MAX  (iii) Dendrite structure 01 sample:  (iii) Step Down Test Sample: (IS4075 or as per customer)  Micro structure As Rolled:  Micro structure As Rolled:  Mill Tc  S5B  WHITTE  S5B  WHITTE  S5B  WHITTE  Mill Tc  S5B  WILLIAMSONIC TEST (AS PER ASTM A388):  MILLUSION RATING (IS 14163 /ASTM: E4SA OR REQUITRED BY CUSTOMER)  Sulphide Aluminate Silicale Oxide DS  SULPHIANSONIC TEST (AS PER ASTM A388):  MILLUSION RATING (IS 14163 /ASTM: E4SA OR REQUITRED BY CUSTOMER)  SSB 1.5 O.5 O.5 O.5 O.5 O.5 O.5 O.5 O.5 O.5 O	
Steel Supply Condition:   The Fold of Supple Supply Condition:   The Fold of Supple Supply Condition:   The Fold of Supple Supply Condition:   S2 R 2 C 2 MPX	
MACRO (I) Internal soundness Sample : (ASTM E381 or as per customer)  Value Obs.  Value Obs.  S2 R2 C2 MPX  S2 B2 C2  (III) Step Down Test Sample : (IS4075 or as per customer)  Micro structure As Rolled :  Micro structure As Rolled :  Mill Tc  SSB  Mill Tc  NCLUSION RATING (IS 14163 /ASTM: E4SA OR REQUITRED BY CUSTOMER)  STAIN SIZE :  SSB I S O S O S O O O O O O O O O O O O O O	
Value Obs.  Step Down Test Sample: (IS4075 or as per customer)  Micro structure As Rolled:  Micro structure As Rolled:  Mill Tc  SSB  Mill Tc  Mill Tc  SSB  Mill Tc  NCLUSION RATING (IS 14163 /ASTM: E4SA OR REQUITRED BY CUSTOMER)  Sulphide Aluminate Silicate Oxide Ds  Sulphide Aluminate Silicate Oxide Ds  Mill Tc  SSB  SSB  SSB  SSB  SSB  SSB  SSB  S	
Value Obs.  Step Down Test Sample: (IS4075 or as per customer)  Micro structure As Rolled:  Micro structure As Rolled:  Mill Tc  SSB  Mill Tc  Mill Tc  SSB  Mill Tc  NCLUSION RATING (IS 14163 /ASTM: E4SA OR REQUITRED BY CUSTOMER)  Sulphide Aluminate Silicate Oxide Ds  Sulphide Aluminate Silicate Oxide Ds  Mill Tc  SSB  SSB  SSB  SSB  SSB  SSB  SSB  S	
(iii) Dendrite structure 01 sample : S2	
(iii) Step Down Test Sample :(IS4075 or as per customer)  Micro structure As Rolled:  Mill Tc  SSB  Mill Tc  Mill Tc  SSB  Mill Tc  Supplied  A  B  Supplied  A  B  Supplied  Aluminate  Sllicate  Oxide  Oxide  DS  Mill Tc  Cust Spec.if Any A: 0 1:5 9:0 1:0 0:5 0:5 1:0 0:0  Mill Tc  SSB  SRAIN SIZE:  ASTME112 / IS-4748)  SERGIN SIZE:  ASTME112 / IS-4748	
Mill Tc  SSB  Mill Tc  SSB  Mill Tc  D  D  D  Sulphide  A luminate  Sulphide  Aluminate  Sulphide  Mill Tc  Cust Spec.If Any R co   5	
Mill Tc   Front   Fr	
Mill Tc   Front   Fr	
Mill Tc	
STAIN SIZE : ASTME112 / IS-4748    Spec.: 5 - 8   Mill Te   SSB	
STAIN SIZE : ASTME112 / IS-4748    Spec.: 5 - 8   Mill Te   SSB	
STAIN SIZE : ASTME112 / IS-4748    Spec.: 5 - 8   Mill Te   SSB	
A B C D D DS   Sulphide Aluminate   Silicate   Oxide   DS     Sulphide   Aluminate   Silicate   Oxide   DS     Sulphide   Aluminate   Silicate   Oxide   DS     Sulphide   Aluminate   Silicate   Oxide   DS   Sulphide	
Sulphide   Aluminate   Silicale   Oxide	
Cust Spec. If Any 2.0 1.5 2.0 1.0 0.5 0.5 1.0 1.0 0.0 Mill Tc SSB 1.5 0.5 0.0 0.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 0	
SRAIN SIZE:  ASTME112/IS-4748)  SPAIN SIZE:  ASTME112/IS-4748)	
STRAIN SIZE: SDEC: 5-8 Mill Tc 8 SSB 37  ASTME112 / IS-4748)	
SRAIN SIZE: 328 3 4 4 5 3 5 8 4 2 5 3 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
SRAIN SIZE: 328 3 4 4 5 3 5 8 4 2 5 3 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
15 2 5 2 9 11 12 15 20 25 30	
IDMINY HARDENBILTY Distance 1.5 3 5 7 7 9 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
15-3848 /ASTMA255 Specificified 55-85-58 51-54 50-38 193-5-59 193-59 193-6 193-6 193-6 193-6 193-6 193-6 193-6	
(As per required by Customer) Mill Tc Say SS SS SS V 6 V 6 V 4 V 4 V 4 V 4 V 4 V 4 V 4 V 4	
1.000.0757	
MECHANICAL PROPERTIES . II INCIGNICO MINES V.S N/mm2 OZEI IMPACT VALUE	
N/mm2 /MPA /MPA CHARRY	
Specified 880 1080 685 mm 128	
Charles   Jan	
As Rolled Hardness $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
(BHN (Max / Min) L19.5.1/ 7.0 at 200.000	
(If Required in TDC /Customer )	
VISUAL:	
(i) Surface Condition 100 % Bars Chereked 100	
(ii) Heat No. 100 % Bars Checked OK.	
\\frac{1}{2}	
REDUCTION RATIO: Specifiy 7:1017 BLOOM SIZE 200220 REDUCTION RATIO: 14.5:	
(If Required in TDC/Customer ) As Per Mill TC	
DECARBITYFI September (AS PER IS 6396 / ASTM E1077)	
Observed PD D+YS FD	
UPSETIBILITY TEST (AS PER IS 10167):	
OF SET INTERIOR SET AND SET OF SET AND SET OF SET O	
OF SETIBLE 17 TEST (2015) TEST	
O'SEIBELTY TEST RAISTON	
Test Certificate verified for Each Heat no:  Available & Ok  Not Available  Not Conforming  Verified By:	
Test Certificate verified for Each Heat no:  Available & Ok  Not Available  Not Conforming  Mill Tc Date  Verified By:  TDC / Customer STD  SSB/TDC/  Mill Tc No.  Mill Tc Date  Verified By:  TDC / Customer STD  SSB/TDC/  Mill Tc No.  Mill Tc Date  Verified By:  TDC / Customer STD  SSB/TDC/  Mill Tc No.  Mill Tc Date  Verified By:  TDC / Customer STD  SSB/TDC/  Mill Tc No.  Mill Tc Date  Verified By:  TDC / Customer STD  SSB/TDC/  Mill Tc No.  Not Available	
Test Certificate verified for Each Heat no:  Available & Ok  Not Available  Not Conforming  Not Conforming  Not Conforming  Not Conforming  Not Conforming  Not Conforming	
Test Certificate verified for Each Heat no:  Available & Ok  Not Available  Not Conforming	
Test Certificate verified for Each Heat no:  Available & Ok  Not Available  Not Conforming  TOC / Customer STD  If Required in TDC / Customer )  Available & Ok  Not Available  Not Conforming  Verified By:  Werified By:  MILLIEUTE STD  Werified By:  MILLIEUTE STD  Not Seed By Mobile Spectro / X-Ray Gun/Spark Test	
lest Certificate verified for Each Heat no:  Available & Ok  Not Available  Not Conforming	
Test Certificate verified for Each Heat no:  Available & Ok  Not Available  Not Conforming  TDC / Customer STD  SSB/TDC/  Mill Tc No.  Mill Tc Date  Verified By:  MRequired in TDC / Customer  Available & Ok  Not Available  Not Conforming  Not Conforming	
Iest Certificate verified for Each Heat no:  Available & Ok  Not Available  Not Conforming	