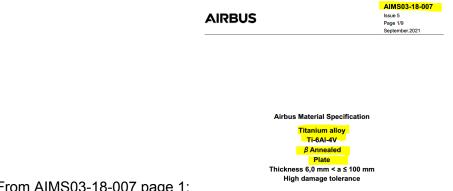
Reference Questions:

1. What is the Tensile strength limit for Beta Annealed Ti64 Plates as per the Specification for a 55mm plate?



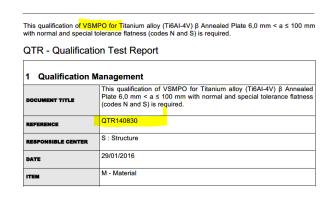
From AIMS03-18-007 page 1:

ŏ	Sample Lest piece Heat treatment				is Annealed + Stress Relieved					
9	Dimension concerned a m			mm	6,0 < a ≤ 70 70 < a ≤ 10			0		
10	Thickness of cladding on - % each face				-					
11	Dire	ction of test piece	θ θ °C Room temperature		LT	ST				
12		Temperature θ °C Room temperatur				temperature				
13	Щ	Proof stress	R _{p0,2}	MPa	83		830			
14	ENSILE	Strength	Rm	MPa	900 ≤ R _m ≤ 1160		900	900 ≤ R _m ≤ 1160		
15	벁	Elongation	Α	%	5			5		
16		Reduction of area	Z	%	10			10		
17	Hardness		НВ	-	-					
18	Shear strength		Rc	MPa	-					
40	D	P	1.							

From Page 5: 10 Page 131

Answer should be 900<Rm<1160 MPa

2. What are the observed tensile Yield results for the Supplier VSMPO for TI64 Beta Annealed Plates for thickness 55mm and what is the average of those values?



From QTR 140830 page 1:

QTR - Qualification Test Report

REFERENCE QTR140830

DATE 29/01/2016

Technical qualification of standard part / material / semi-finished product

Thickness	Batch	Location	Direction	UTS (MPa)	0. <mark>2%</mark> YS (MPa)	A%	Z%
		4/1	L	931	850	9.2	16.7
			LT	973	899	7.2	12.8
	Batch 1	ch 1 4/2 4/3	L	949	866	8.4	13.4
	Daten I		LT	976	904	7.6	19.0
			L	938	855 855	8.8	22.8
F.F			LT	967	892	6.8	14.2
55 mm		4/1	L	946	860	8.8	17.1
			LT	949	866	10.4	21.0
	Batch 2	410	L	947	863	8.4	13.6
	Batch 2	4/2	LT	948	872	6.8	12.3
			L	952	867	12.8	18.0
			LT	933	860	6.4	22.4
			1	040	004	7.0	47.5

Page 19, Table 7:

These are the observed values.

For the Average values, do the mean of these values highlighted. The mean values are also given in Table 8 next page:

Table 8: tensile test average									
Thickness	Average	Batch	Direction	UTS (MPa)	0.2% YS (MPa)	A%	Z%		
	Average	Batch 1	L	965	891	10.1	13.3		
10 mm			LT	978	892	10	15		
10 111111		Batch2	L	980	913	11.8	13.7		
			LT	973	895	12	13		
	Average	Batch 1	L	969	890	7.8	16.8		
16 mm			LT	967	882	9	19		
10 mm		Batch2	L	977	900	7.5	17.6		
			LT	967	884	8	18		
	Average	Batch 1	L	925	844	7	15		
35 mm			LT	931	838	8	13		
35 mm		Batch2	L	935	856	8	12		
			LT	944	863	9	14		
	Average	Batch 1	L _	939	857	9	18		
55 mm		Daten i	LT	972	898	7	15		
oo mm		Batch2	L/	948	863	10	16		
		Batchz	LT	943	866	8	19		
	Average	Batch 1	L	952	865	8	15		
90 mm			LT	986	909	8	14		
an mm		Batch2	L	939	859	7	15		
		DatCHZ	LT	938	859	8	15		
		Min		900	830	5.0	10.0		
AIMS 03-18	8-007	Max		1160	-	-	-		