



Customer		Supplier	Certificate number					
Senvion GmbH Überseering 10 22297 Hamburg		Ria Blades,SA Parque Empresarial de Soza Rua da Barreira, nº25 Salgueiro 3840-346 Soza Portugal	IC nº 202_2019					
Article		Colour Code	Documents for construction Blade set					
Rotor Blade: RE 59.8 Order nb: 4500456519 Set NB: 202		COL 032	We confirm that the delivered blades are in accordance with Senvion Specifications and all other documents referred on Doc list__52951					
Blades Numbers	Static Moment referring to the blade flange [Kg.m]	Deviation from the average static moment of rotor blade [%]	Balancing masses					
			Total Weigth (Kg)	Center of gravity COG Z[m]	Balancing Chamber Nº1 (Kg)	Balancing Chamber Nº2 (Kg)	Balancing Chamber Nº3 (Kg)	Extra weight (kg)
RB 608	231154	0,03	14184	16,30	0	5	30	0
RB 609	231191	0,02	14182	16,30	0	0	0	0
RB 610	231343	0,05	14176	16,32	0	0	21	0
Average static moment of the rotor blade set [kgm]			231229					
Lightning protection results	Blades Numbers		RB 608	RB 609	RB 610			
	Receptor 1 -->SS= Z 45m (Min:11mΩ - Max:23mΩ)		20	19	16			
	Receptor 2--> SS Z= 53m (Min:13mΩ - Max:26mΩ)		25	21	20			
	Receptor 3 --> PS Z= 45m (Min:11mΩ - Max:23mΩ)		21	19	17			
	Receptor 4 --> PS Z=53m (Min:13mΩ - Max:26mΩ)		24	21	20			
	TIP (Min:15mΩ - Max:29mΩ)		28	23	27			
Blade Numbers	Root Inserts Batch number	Root Inserts Supplier	M30 bolts Batch number	M30 bolts Supplier	Jig control			
RB 608	11263260D 120619260D BXF	Heinicke Kleinsorge Verbindungstechnik	BXL	Kleinsorge Verbindungstechnik	OK			
RB 609	120515260D 110718260D BXF	Heinicke Kleinsorge Verbindungstechnik	BXL	Kleinsorge Verbindungstechnik	OK			
RB 610	11288260D 11288260D BXF	Heinicke Kleinsorge Verbindungstechnik	BXL	Kleinsorge Verbindungstechnik	OK			

Date:	05-02-2019
Authorized signature: <i>Quality Assurance</i>	Quality Assurance
Stamp:	  Guilherme Teixeira Quality Engineering Coordinator