



Customer		Supplier	Certificate number					
<b>Senvion GmbH</b> Überseering 10 22297 Hamburg		<b>Ria Blades,SA</b> Parque Empresarial de Soza Rua da Barreira, nº25 Salgueiro 3840-346 Soza Portugal	<b>IC nº 201_2019</b>					
Article		Colour Code	Documents for construction Blade set					
<b>Rotor Blade: RE 59.8</b> <b>Order nb: 4500456519</b> <b>Set NB: 201</b>		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 604	230548	0,05	14127	16,32	0	19	30	0
RB 606	230732	0,03	14178	16,27	0	0	0	0
RB 607	230695	0,02	14180	16,27	0	0	0	0
Average static moment of the rotor blade set [kgm]			230658					
Lightning protection results	Blades Numbers	RB 604	RB 606	RB 607				
	Receptor 1 -->SS= Z 45m (Min:11mΩ - Max:23mΩ)	19	19	21				
	Receptor 2--> SS Z= 53m (Min:13mΩ - Max:26mΩ)	21	21	22				
	Receptor 3 --> PS Z= 45m (Min:11mΩ - Max:23mΩ)	20	19	20				
	Receptor 4 --> PS Z=53m (Min:13mΩ - Max:26mΩ)	21	21	23				
	TIP (Min:15mΩ - Max:29mΩ)	23	23	24				
Blade Numbers	Root Inserts Batch number	Root Inserts Supplier	M30 bolts Batch number	M30 bolts Supplier	Jig control			
RB 604	11083260D 111515260D 11094260D	Heinicke	BXL	Kleinsorge Verbindungstechnik	OK			
RB 606	11081260D BXF	Heinicke Kleinsorge Verbindungstechnik	BXL	Kleinsorge Verbindungstechnik	OK			
RB 607	BXF BWO	Kleinsorge Verbindungstechnik	BXL	Kleinsorge Verbindungstechnik	OK			

Date:	01-02-2019
Authorized signature: <i>Quality Assurance</i>	Quality Assurance
Stamp:	  Guilherme Teixeira Quality Engineering Coordinator