	QC PLAN					
	BOBNA(80D)A/2	M	Magnesium Anode			
Ŀ	Client :	_	Doc No :	Date :		
ITEM	TEST	REF. STANDARD	REQUIREMENTS	Test Frequency		
1	Chemical composition	IPS-M-TP-750/3	Aluminum, max. 0.01%			
			Manganese 0.9 - 1.2%	one samples per each		
			Copper, max. 0.02%	15 ton		
			Iron, max. 0.03%			
			Nickel, max. 0.001%			
			Other elements, total, max. 0.3%			
			Magnesium, Remainder			
2	Closed Circuit Potentioal (V)	ASTM G97	-1.65 (V) or more negative w.r.t CSE			
	Open Circuit Potentioal (V)	ASTM G97	-1.70 (V) or more negative w.r.t CSE	one samples per each		
	Electrochemical Capacity (A-h/kg)	ASTM G97	1200 min (A-h/kg)	15 ton		
	Consumption Rate (Kg/A-yr)	ASTM G97	7.3 max (kg/A-yr)			
3	Insert material check	IPS-M-TP-750/3	The magnesium anode core shall be	10% per heat		
			made from commercial hot dipped			
			galvanized steel conforming to ASTM			
			specification A 283, Grade C or			
			equivalent standard. CE<0.45			
4	Cast galvanic anode	IPS-M-TP-750/3	Each anode shall be cast or die-stamped			
	identification		with the following:	outer face of 10% of		
			1-Manufactures symbol	installed anodes		
			2-Heat number			
5	Insert dimensions	IPS-M-TP-750/3	- insert location within			
	and location		the anodes shall not	10% of anodes		
			deviate from nominal			
			position shall be in ± 5%			
			of the nominal anode			
1			width and length and ±10%			
			of the nominal anode depth			
			_The core length shall be 75% of anode			
			length.			

	NACOLOGICAL AND COLOGICAL AND	QC PLAN Magnesium Anode		
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6	Dimensions & Straightness of anode	IPS-M-TP-750/3	Measure the following items: - mean length of anode - mean width - mean thikness - strightness shall not deviate more than 3%	10% of all anodes
7	Surface irregulation	IPS-M-TP-750/3	inspect the following items: - shrinkage depression - nonmetallic inclusions depth - crack - surface slag shrinkage depression shall be accepted. shall not exceed 1/4 inch in depth	10% of anodes
8	Anode weight	IPS-M-TP-750/3	-The permissible variation in weight of each finished anode will be plus or minus 5% of the nominal weightThe total contract weight shall be no more than 2% above and not below the nominal contract weight.	10% of all anodes
9	release note (include shipment)		-anodes shall be bundled.strapped placed on pallets by agreed procedure for minimize damage	