Contract to	IEC 60896-21/2							st Re	port				
100		neral	produ	ct typ	e inf	orma	ation	15,01					
	manufacturer					GS \	/uasa B	attery I	Vlanufact	uring UK	Ltd		
	cturing site	Unit 22, Rassau Ind Estate, Ebbw Vale NP23 5SD											
	Tested (Results below only relate to this product)								L1800				
	model range								WL				
	comprising the above model range	SWL	750, 11			50, 2	250, 18	50-6, 1	800, 23			0, 4300 (and FR)	
Test Se	lection date & Start Date				ct-19						Dec-19		
	2) Prod	uct te	st perf	orma	ince i	nfor	nation	1016	BAR				
	Product safe operation in service	IEC 60896-21 test clause result										Product complies fo	
6.1	Gas emission (at the float voltage and at 2,40 Vpc)	Float Charge 2.275vpc					1	At 2.40vpc overcharge voltage conditions				all applications	
	(ml gas per cell, hr, and Ah)		0.0403					0.0232					
6.2	High current tolerance (A)	I _{disc} = 567A 13.0			.008V	13	.009V	Yes					
6.3	Short circuit and d.c. internal resistance	I _{sc} (A) 1597A 2194A 1958A				F	R _i (Ω)						
6.4	Internal ignition from external spark sources	Optional design feature - pass * test					ss *Test	perform					
6.5	Protection against ground short propensity	test test chamber at 15-30°C Pass											
6.6	Content and durability of required markings		Pass										
6.7	Material identification	Case			Pas	S	Cove	r		Pass	3		
6.8	Valve operation	Before	9		Pas	s	After			Pass	3		
6.9	Flammability rating of materials	Case			HB/\	/0	Cove	ır		HB/\	/0		
6.10	Intercell connector performance (°C)	IBB1800 Connector - 26°C											
	Product performance in service				EC 6	0896	6-21 te	st cla	use res	ult	100		
6.11	Discharge capacity (%)	C ₁₀	115.6	C ₈	106.	9 C	3 112.	3 C	115	C _{0.25}	128.8		
			116.7		108.	1	109.	3	110		120.8	Yes	
			115.3		114.	4	115.	3	115		126.8		
			116.2		111.	6	112.	3	113		130		
			114.2		116.	3	111.	7	115		121.6		
			112		111.	5	112.	3	115		129.2		
6.12	Charge retention during storage (%)		C _{rf} 89.76 90.15 90.8 Yes									Voc	
		82.87 90.24 87.39										163	
6.13	Float service with daily discharges (Cycles)	415											
6.14	Recharge behaviour (%)	24 h 95.45 168 h 100									Yes		
114-11	Product durability in service	IEC 60896-21 test clause result											
6.15	Float service life at 40°C		840 724 862 Days with C ₃ rate test at 40 °C								0		
6.16	Impact of stress temperature of 55°C or 60°C	254	,										
		126	168	105		≥		with C		test at 55	°C		
6.17	Abusive over-discharge (Ah/Ah)	Caod		1.01			Caoc		0.99				
6.18	Thermal runaway sensitivity (°C)	T _{2.45V}	рс	A	28.2		T _{2.60}	Vpc	Α	46.88			
				В	28.2				В	46.88		Yes	
				C	28.2	5	-		С	46.88	_		
6.19	Low temperature sensitivity (Ah/Ah)	C _{als} 1.11						No damage					
		1.12					No damage						
			1.15					No damage					
6.20	Dimensional stability at elevated internal pressure and temperature	% mm											
		A 0.43 0.93 B 0.009 0.02											
6.21	Stability against mechanical abuse of units during installation	Pass						Pass		Yes			
	Company name: GS Yuasa Battery Manufacturing UK Ltd										ch		
	Company officer: Mike Taylor Report No. 24-001										[(≯ ≰)]		
	Test Room Address: Unit 22, Rassau Industrial Estate NP23 5SD									UKAS			
	Signature:	Issue Date: 21/06/2024								TESTING			
	When a decision is in place IEC60896-22 is used										10464		
	*Unless other												