



# CYANTIFIC™ ANALYSER OCM6500 WAD CN ANALYSER

Rev: **A**

<b>CLIENT:</b>	<b>PROJECT NO.:</b>
<b>MANUFACTURER:</b> <span style="color: blue;">ORICA</span>	<b>REQUISITION NO.:</b>
<b>SERIAL NUMBER:</b>	<b>ORDER NO.:</b>
<b>SITE:</b>	

REV	NO	DESCRIPTION	UNIT	VALUE	UNIT	VALUE	REVISION	
	1	<b>DIMENSIONS (L x W x H)</b>		<b>400 x 750 x 2000</b>	mm		<b>A</b>	
	2	<b>WEIGHT</b>		<b>160</b>	kg		<b>A</b>	
	3	<b>MATERIALS:</b>		<b>316 S/S</b>		<b>CUSTOMER EQUIPMENT NO.</b>	<b>A</b>	
	4	<b>WETTED MATERIALS</b>		<b>VARIABLE: POLY AND NYLON</b>		<b>CUSTOMER LINE NO.</b>	<b>A</b>	
	5	<b>SERVICE FLUID</b>		<b>CYANIDE LEACH SOLUTION</b>			<b>A</b>	
	6	<b>COMPOSITION</b>		<b>SITE SPECIFIC (NOTE 1)</b>		<b>PRESSURE</b> <span style="color: blue;">AMBIENT</span> atm	<b>A</b>	
	7	<b>TEMPERATURE</b>		<b>AMBIENT</b> °C		<b>DISTIL TEMP.</b> <span style="color: blue;">120</span> °C		
	8	<b>SERVICE CONDITIONS:</b>		<b>STREAM</b>	<b>FLUSH WATER</b>	<b>FLUSH AIR</b>	<b>COOLING WATER</b>	
	9	Flowrate	mL/s	<span style="color: blue;">0.79 (NOTE 1)</span>	<span style="color: blue;">0.5</span>	<span style="color: blue;">INTERMITTENT</span>	<b>A</b>	
	10	Pump Suction Lift	m	<span style="color: blue;">5.5</span>			<b>A</b>	
	11	Inlet Pressure	kPag		<span style="color: blue;">100 - 500</span>	<span style="color: blue;">100 - 200</span>	<b>A</b>	
	12	Process Connection		<span style="color: blue;">1" BSP PIPE</span>	<span style="color: blue;">3/4" FEM SOCKET</span>		<b>A</b>	
	13	Quality		<span style="color: blue;">10 µm FILTERED INTO PROCESS</span>	<span style="color: blue;">POTABLE INTO PROCESS</span>	<span style="color: blue;">INSTRUMENT INTO PROCESS</span>	<b>A</b>	
	14	Drainage				<span style="color: blue;">POTABLE SITE DRAIN</span>	<b>A</b>	
	15							
	16							
	17	<b>ANALYSIS METHOD</b>		<b>WAD DISSOCIATION &amp; POTENTIOMETRIC TITRATION (NOTE)</b>				
	18	<b>NUMBER OF STREAMS?</b>	1/2/3	1	2	3		
	19	<b>STREAM CELL VOLUME</b>	60/400 mL	1 <span style="color: blue;">60</span>	2 <span style="color: blue;">400</span>	3		
	20	<b>CELL RESIDENCE TIME</b>	s	1 <span style="color: blue;">76</span>	2 <span style="color: blue;">506</span>	3 <span style="color: blue;">0</span>		
	21	<b>CYCLES OF OPERATION</b>		<span style="color: blue;">10-99</span> min				
	22	<b>ACCURACY</b>		<span style="color: blue;">10ppm OR 3%</span> +/-				
	23	<b>CN RANGE</b>		<span style="color: blue;">0 - 5 000</span> ppm	<b>CN ELEMENT</b>	<span style="color: blue;">Ag &amp; AgCl ELECTRODE</span>	<b>A</b>	
	24	<b>DO RANGE</b>		<span style="color: blue;">0 - 50</span> mg/L	<b>DO ELEMENT</b>	<span style="color: blue;">KNICK SE715/1MS</span>	<b>A</b>	
	25	<b>pH RANGE</b>		<span style="color: blue;">7 - 14</span> pH	<b>pH ELEMENT</b>	<span style="color: blue;">KNICK SE7</span>	<b>A</b>	
	26	<b>LT ELEMENT</b>		<span style="color: blue;">BALLUFF BUSR06K1-XB-02/015-575G</span>				
	27	<b>HEATING ELEMENT</b>		<span style="color: blue;">HELIOS CM22/37/17</span>	<b>TEMP ELEMENT</b>			
	28	<b>STREAM PUMP MODEL</b>		<span style="color: blue;">ROLACHEM RC-252</span>	<b>STREAM PUMP TYPE</b>	<span style="color: blue;">PERISTALTIC</span>		
	29	<b>STREAM PUMP SPEED</b>	rpm	<span style="color: blue;">20</span>				
	30	<b>STREAM PUMP MOTOR</b>		<span style="color: blue;">REX ENGINEERING SP6093</span>				
	31	<b>SAMPLE PUMP MODEL</b>		<span style="color: blue;">WATSON MARLOW 400F/B1</span>	<b>SAMPLE PUMP TYPE</b>	<span style="color: blue;">PERISTALTIC</span>		
	32	<b>SAMPLE PUMP SPEED</b>	rpm	<span style="color: blue;">VARIABLE</span>				
	33	<b>TRANSFER PUMP MODEL</b>		<span style="color: blue;">ROLACHEM RC-252</span>				
	34	<b>TRANSFER PUMP MOTOR</b>		<span style="color: blue;">REX ENGINEERING SP6207</span>	<b>TRANSFER PUMP TYPE</b>	<span style="color: blue;">PERISTALTIC</span>		
	35	<b>PLC DETAILS</b>		<span style="color: blue;">ALLEN BRADLEY COMPACLOGIX 1769-L24ER-QBFC1B</span>				<b>A</b>
	36	<b>HMI DETAILS</b>		<span style="color: blue;">SCHNEIDER PROFACE 7" PFXGP4401TAD</span>				<b>A</b>
	37	<b>DIGITAL OUTPUT</b>		<span style="color: blue;">12 VDC</span>				
	38	<b>ANALOUGE OUTPUT</b>		<span style="color: blue;">4-20 mA AND OR ETHERNET/IP (NOTE 3)</span>				<b>A</b>
	39	<b>ALARM RELAY OUTPUT</b>		<span style="color: blue;">12 VDC</span>				
	40	<b>POWER SUPPLY</b>		<span style="color: blue;">240 VAC</span>				<b>A</b>
	41	<b>BUFFER REAGENT SPECIFICATION</b>		<span style="color: blue;">SODIUM ACETATE/ZINC ACETATE/ ACETIC ACID MIX Ph 4.5 (NOTE 4)</span>				<b>A</b>
	42	<b>AgNO3 REAGENT SPECIFICATION</b>		<span style="color: blue;">CYANIDE SPECIFIC</span>				<b>A</b>
	43	<b>CAUSTIC REAGENT SPECIFICATION</b>		<span style="color: blue;">10 g/L NaOH</span>				<b>A</b>
	44	<b>CLEANING REAGENT SPECIFICATION</b>		<span style="color: blue;">50g/L SULFAMIC</span>				
	45	<b>FILTER SPECIFICATION</b>	µm	<span style="color: blue;">10</span>	<b>FILTER SPECIFICATION</b>	<span style="color: blue;">CLOTH/SS/PLASTIC</span>	<b>A</b>	
	46	<b>CLEANING PUMP</b>	Y/N	<span style="color: blue;">Y</span>	<b>DO MEASUREMENT</b>	1/2/3 <span style="color: blue;">1/2/3</span>	<b>A</b>	
	47	<b>REAGENT PUMP</b>	Y/N	<span style="color: blue;">Y</span>	<b>pH MEASUREMENT</b>	1/2/3 <span style="color: blue;">1/2/3</span>	<b>A</b>	
	48	<b>AIR SOLENOID MODEL NO.</b>		<span style="color: blue;">SMC VT307-6DZ-02</span>	<b>AIR REGULATOR MODEL</b>	<span style="color: blue;">SMC AW30-02BG</span>		
	49	<b>WATER SOLENOID MODEL NO.</b>		<span style="color: blue;">AW30-02BG / G40-K10-01</span>	<b>WATER REGULATOR MODEL</b>	<span style="color: blue;">AW30-02BG</span>		
	50	<b>STIRRER MOTOR MODEL NO.</b>		<span style="color: blue;">PREMOTEC 9904-120-52602</span>	<b>DRAIN SOLENOID MODEL</b>			
	51	<b>IP RATING</b>		<span style="color: blue;">55</span>			<b>A</b>	
	52	<b>HAZARDOUS AREA CLASSIFICATION</b>		<span style="color: blue;">NONE</span>				<b>A</b>
	53	<b>SAA EXPLOSION PROT'N CERTIFICATE</b>		<span style="color: blue;">NONE</span>				<b>A</b>
	54							
	55	Note 1: <span style="color: blue;">STREAM FLOWRATE FOR STREAM PUMP ONLY. SAMPLE PUMP OPERATES</span>						
	56	<span style="color: blue;">INTERMITTENTLY ONLY DURING TITRATION</span>						
	57	Note 2: <span style="color: blue;">STREAM SYSTEM OPERATES AS A FAST LOOP WHICH FRESH SAMPLES ARE TAKEN FROM</span>						
	58	Note 3: <span style="color: blue;">CAN CHOOSE TO UTILISE ETHERNET CONNECTION FOR MORE DETAILED ALARM AND ANALOUGE SIGNALLING</span>						
	59	Note 4: <span style="color: blue;">REFER TO MANUAL FOR PREPARATION</span>						
	60	<b>REVISION</b>		<span style="color: blue;">A</span>				
	61	<b>STATUS</b>						
	62	<b>INPUT BY / DATE</b>		<span style="color: blue;">AHISLOP 19/7/2018</span>				
	63	<b>PREPARED BY / DATE</b>						
	64	<b>VERIFIED BY / DATE</b>						
	65	<b>AUTHORISED BY / DATE</b>						