

Calibration Certificate

We Hamilton Bonaduz AG, CH-7402 Bonaduz/Switzerland confirm that the following product passed the manufacturer's final inspection and was within specifications.

TYPE: READER CHECK PLATE

P/N: 189 116

S/N:1359.....

The associated reference values are on the CD supplied.

The calibration can be traced back to the Austrian National Institute of Standards(BEV), German National Metrology Institute (PTB) and the National Institute of Standards and Technology (NIST), USA.

In order to maintain the validity of verification, the READER CHECK PLATE must be re-referenced by Hamilton Bonaduz AG within one year of inspection date.

Valid until:2023-08-07..... (YYYY-MM-DD)

Test equipment: AAW 189 116 Rev. 00

Environmental conditions: Ambient temperature: 23°C Relative humidity: 52%

Date: 08.08.2022 Personal No: 2410 Signature: [Handwritten Signature]



Biomed Reader 96 / Reader 384

Plausibility-Check of Reader Check Plate Reference Data

Result: Passed

 P/N: 189'116 / 00
 S/N: 1359

 Old reference data: 2019-10-02
 New reference data: 2022-08-08

Difference from old to new data									Verification Tolerance ¹⁾	Typical values			
340 nm	A	B	C	D	E	F	G	H		Min	Max		
4	13	7	6	14	8	11	8	8	50	873	920		
405 nm	A	B	C	D	E	F	G	H	Tolerance	Min		Max	
5	-28	-37	-29	-38	-38	-33	-25	-37		120	2489	2496	
6	-8	-7	-6	-7	-6	-7	-7	-7	50	1233	1238		
7	-2	-1	0	-1	0	0	-1	0	15	592	594		
8	1	1	1	1	2	1	1	1	9	285	288		
450 nm	A	B	C	D	E	F	G	H	Tolerance	Min		Max	
5	26	26	24	25	24	18	20	22		120	2186	2195	
6	14	13	13	13	13	13	13	12	60	1091	1094		
7	4	6	5	6	7	6	6	6	25	546	549		
8	4	3	4	3	3	3	3	3	16	267	270		
492 nm	A	B	C	D	E	F	G	H	Tolerance	Min		Max	
5	-4	0	-6	-5	-3	-7	-6	-5		100	2123	2128	
6	1	2	1	4	5	6	4	4	25	1061	1065		
7	-1	2	2	3	5	6	2	4	15	558	561		
8	2	2	2	2	5	7	3	4	9	276	280		
620 nm	A	B	C	D	E	F	G	H	Tolerance	Min		Max	
5	-11	-10	-10	-13	-9	-6	-9	-8		100	1975	1984	
6	-10	-8	-6	-7	-6	-4	-7	-6	25	998	1004		
7	-4	-4	-3	-3	-1	-1	-3	-1	15	566	568		
8	-1	-2	0	-2	-1	1	-2	1	7	293	296		
570 nm	A	B	C	D	E	F	G	H	Tolerance	Min		Max	
5	-1	-1	1	3	-4	2	4	5		100	2037	2046	
6	-3	-1	1	-1	0	1	-1	0	25	1027	1031		
7	-2	1	1	1	2	1	1	0	15	560	562		
8	1	1	2	1	2	1	1	1	10	280	282		
610 nm	A	B	C	D	E	F	G	H	Tolerance	Min		Max	
5	0	1	3	6	-3	1	3	3		100	2003	2013	
6	-1	3	2	3	0	1	1	0	25	1013	1018		
7	0	3	3	4	3	2	3	2	15	572	574		
8	3	4	4	5	2	2	3	3	10	295	297		
690 nm	A	B	C	D	E	F	G	H	Tolerance	Min		Max	
5	0	-1	-2	0	-4	-3	-2	-3		120	1581	1585	
6	-3	0	-1	0	-2	-2	-1	-2	60	802	805		
7	-2	0	0	1	1	0	0	0	25	474	476		
8	0	0	1	1	1	1	1	1	16	252	254		
560 nm	A	B	C	D	E	F	G	H	Tolerance	Min		Max	
5	9	9	15	3	5	15	4	1		100	2022	2032	
6	2	1	2	1	1	2	2	1	25	1017	1020		
7	0	0	2	0	1	1	0	1	15	548	550		
8	1	1	2	0	1	1	1	1	10	272	275		
630 nm	A	B	C	D	E	F	G	H	Tolerance	Min		Max	
5	0	-1	2	-2	0	-1	-2	-3		100	1945	1946	
6	-4	-3	-2	-2	-2	-3	-3	-3	25	985	988		
7	-5	-2	-2	-2	-1	-2	-3	-2	15	563	565		
8	-2	-2	-1	-2	-2	-2	-2	-2	10	293	295		

Date: 2022-08-08

Tester: Storni / 2410

Signature: