

# HAMAMATSU

HAMAMATSU PHOTONICS K.K.

<b>FINAL INSPECTION SHEET</b> 検査成績書		2020 / 08 / 18 HAMAMATSU PHOTONICS K.K. SOLID STATE DIVISION 浜松ホトニクス株式会社 固体事業部
Name	Micro-Spectrometer	Approved by    Yosuke Matsune
Type No.	C12880MA	Inspected by    Shinya Ohgaki
Date Inspected:    検査日:    2020/ 06/ 30    24.0 °C    ~    2020/ 07/ 01    24.0 °C		

\*1) Wavelength resolution: Test conditions / Maximum value of FWHM at 340nm, 400nm, 450nm, 500nm, 550nm, 600nm, , 655nm, 710nm, 760nm, 810nm, 850nm wavelength  
 波長分解能                    : 検査条件                    / 波長340nm, 400nm, 450nm, 500nm, 550nm, 600nm, , 655nm, 710nm, 760nm, 810nm, 850nmのFWHMの最大値

Serial No.	Calibration coefficients    Wavelength[nm]=A <sub>0</sub> +B <sub>1</sub> *pix+B <sub>2</sub> *pix <sup>2</sup> +B <sub>3</sub> *pix <sup>3</sup> +B <sub>4</sub> *pix <sup>4</sup> +B <sub>5</sub> *pix <sup>5</sup> 波長変換係数						Wavelength resolution *1) 波長分解能	
	A <sub>0</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	B <sub>5</sub>	Standard for Shipment 出荷基準 [nm]	Result
20F02193	3.068214612E+02	2.702289806E+00	-1.092757022E-03	-8.290841835E-06	1.146599272E-08	2.538643078E-12	15	8.7
20F02194	3.017256011E+02	2.718878672E+00	-1.399375391E-03	-5.767252035E-06	2.981023314E-09	1.265102813E-11		9.4
20F02195	3.033661000E+02	2.710614966E+00	-1.171056525E-03	-7.940951717E-06	1.118959829E-08	1.728267054E-12		9.3
20F02196	3.069031543E+02	2.721250896E+00	-1.499326016E-03	-4.955620064E-06	-5.192057624E-10	1.820595741E-11		9.0
20F02197	2.981261923E+02	2.711174814E+00	-1.044424282E-03	-9.220601716E-06	1.647965717E-08	-5.918811886E-12		10.0
20F02198	3.040192687E+02	2.713452166E+00	-1.299062043E-03	-6.454113747E-06	4.737081302E-09	1.125713517E-11		9.1
20F02199	3.038660907E+02	2.720979140E+00	-1.292903771E-03	-7.006282758E-06	7.718473235E-09	6.474691068E-12		9.3
20F02200	3.060052749E+02	2.715646609E+00	-1.337484931E-03	-6.484976241E-06	5.473587575E-09	9.982890850E-12		9.1
20F02202	3.037140585E+02	2.703859432E+00	-1.077404292E-03	-8.531338730E-06	1.286965928E-08	-1.041838983E-15		9.1
20F02203	2.970874711E+02	2.728517758E+00	-1.324512017E-03	-6.999443638E-06	8.484339927E-09	4.584897811E-12		9.0
20F02204	3.012736729E+02	2.707008887E+00	-1.063063998E-03	-9.098706913E-06	1.591686232E-08	-4.711372111E-12		9.1
20F02205	3.067405440E+02	2.716206635E+00	-1.403777125E-03	-5.603149272E-06	1.762596086E-09	1.494394236E-11		8.8
20F02206	3.038924085E+02	2.715277913E+00	-1.245962432E-03	-7.391530247E-06	9.130177259E-09	4.718390529E-12		8.9
20F02207	3.066130281E+02	2.704076758E+00	-1.182210899E-03	-7.501056590E-06	8.809704553E-09	5.640603441E-12		9.1
20F02208	3.061055497E+02	2.709360718E+00	-1.154257187E-03	-8.196320779E-06	1.233388702E-08	9.916107768E-14		8.9
20F02209	3.080604753E+02	2.707640563E+00	-1.343822828E-03	-6.118625801E-06	3.605612519E-09	1.279904872E-11		9.2
20F02210	3.018073099E+02	2.726016187E+00	-1.466855537E-03	-5.335245036E-06	1.410793939E-09	1.487634279E-11		9.0
20F02211	3.056381948E+02	2.717307368E+00	-1.310217746E-03	-6.801280166E-06	6.600747231E-09	8.584732541E-12		9.3
20F02212	3.014296708E+02	2.723108424E+00	-1.360859352E-03	-6.695964530E-06	7.520459790E-09	5.800336165E-12		9.1
20F02213	3.034232562E+02	2.709496514E+00	-1.185188681E-03	-7.712363263E-06	9.893000360E-09	4.124665186E-12		9.0

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 波長分解能 : 検査条件 / 波長340nm, 400nm, 450nm, 500nm, 550nm, 600nm, , 655nm, 710nm, 760nm, 810nm, 850nmのFWHMの最大値

Serial No.	Calibration coefficients 波長変換係数						Wavelength resolution *1) 波長分解能	
	A <sub>0</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	B <sub>5</sub>	Standard for Shipment 出荷基準 [nm]	Result 測定値 [nm]
20F02215	3.057871915E+02	2.700284075E+00	-1.186629129E-03	-7.142989507E-06	6.886418248E-09	8.654013744E-12	15	8.9
20F02216	3.056951400E+02	2.719450288E+00	-1.360242984E-03	-6.321137672E-06	5.045885211E-09	1.013694648E-11		9.2
20F02217	3.055188955E+02	2.712341355E+00	-1.303366323E-03	-6.693854738E-06	6.074491561E-09	9.246788846E-12		9.1
20F02218	3.051220122E+02	2.699975353E+00	-1.033848805E-03	-8.849610815E-06	1.391043257E-08	-1.333168105E-12		9.2
20F02220	3.061002728E+02	2.702678900E+00	-1.111946054E-03	-8.416015500E-06	1.261952441E-08	3.693611202E-13		9.2
20F02223	3.051016971E+02	2.724127495E+00	-1.332993002E-03	-7.194642084E-06	9.336721576E-09	3.813287501E-12		9.1
20F02224	3.102226424E+02	2.713315632E+00	-1.357588938E-03	-6.532504389E-06	6.051405794E-09	8.845531632E-12		9.0
20F02225	3.068874052E+02	2.714461425E+00	-1.361417635E-03	-6.229847580E-06	4.323216639E-09	1.169478647E-11		8.9
20F02227	3.014990657E+02	2.719518235E+00	-1.347905420E-03	-6.574398101E-06	6.585726189E-09	7.456801858E-12		9.1
20F02230	3.057204517E+02	2.708863271E+00	-1.193232017E-03	-7.857747003E-06	1.113370096E-08	1.542414715E-12		9.0
20F02231	3.031379665E+02	2.723271318E+00	-1.320233718E-03	-7.117770002E-06	8.823897128E-09	4.400407569E-12		9.6
20F02233	3.056600587E+02	2.709569154E+00	-1.128700702E-03	-8.706909809E-06	1.494673155E-08	-4.207743833E-12		9.0
20F02234	3.074731450E+02	2.719268596E+00	-1.366493015E-03	-6.704587062E-06	7.321974541E-09	6.504378356E-12		9.2
20F02235	3.039862804E+02	2.717406736E+00	-1.222176480E-03	-7.855558269E-06	1.118421596E-08	1.835284400E-12		10.0
20F02236	3.065397112E+02	2.709454868E+00	-1.254312343E-03	-7.274514405E-06	8.825837096E-09	4.874882236E-12		9.2
20F02237	3.091051429E+02	2.715085896E+00	-1.415565680E-03	-6.220796568E-06	5.875013081E-09	7.998950920E-12		9.1
20F02238	3.063233207E+02	2.693585028E+00	-1.019668573E-03	-9.108513092E-06	1.562486418E-08	-4.444906341E-12		8.9
20F02239	3.060431769E+02	2.733162262E+00	-1.545059035E-03	-5.232134129E-06	1.746316015E-09	1.418382387E-11		9.2
20F02240	3.087130526E+02	2.698245027E+00	-1.183838854E-03	-7.581030393E-06	9.439869904E-09	4.549955899E-12		9.0
20F02241	3.040159251E+02	2.719392886E+00	-1.290757828E-03	-7.406483101E-06	9.951406745E-09	2.997860693E-12		8.8
20F02242	3.070290855E+02	2.708109792E+00	-1.270864264E-03	-7.176465577E-06	8.455159406E-09	5.634452973E-12		9.1
20F02243	3.058986576E+02	2.711438180E+00	-1.195638059E-03	-7.970088203E-06	1.151396955E-08	1.415485097E-12		8.8
20F02244	3.014550107E+02	2.714236198E+00	-1.198227359E-03	-8.027181918E-06	1.213047930E-08	-8.516179096E-15		9.0
20F02246	3.031998862E+02	2.718460887E+00	-1.232892548E-03	-7.986204455E-06	1.227932088E-08	-2.126143095E-13		9.2
20F02251	3.031582740E+02	2.704188587E+00	-1.054510568E-03	-9.089326298E-06	1.576941066E-08	-4.598196874E-12		9.0
20F02253	3.112345651E+02	2.703501685E+00	-1.304676073E-03	-6.876793008E-06	7.733948486E-09	5.827077069E-12		9.5
20F02256	3.033712476E+02	2.712519066E+00	-1.242407396E-03	-7.514803000E-06	9.777740637E-09	3.948634221E-12		8.9
20F02257	3.047871331E+02	2.724763925E+00	-1.308011606E-03	-7.538026267E-06	1.097438557E-08	1.154562680E-12		9.2
20F02258	3.072711460E+02	2.707944724E+00	-1.240466621E-03	-7.503705412E-06	9.946354450E-09	3.204609852E-12		8.6
20F02259	3.083335667E+02	2.702989561E+00	-1.109904735E-03	-8.508653372E-06	1.337702453E-08	-1.243654470E-12	9.0	