

FINAL INSPECTION SHEET 検査成績書		10/27/2025
		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 責任者 Takuya Amemiya
Type No.	C12880MA	Inspected by 検査員 Shinya Ota
Date Inspected: 2025/10/14 ~ 2025/10/20 24.0		

*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

K29-0780-E

Serial No.	Calibration coefficients 波長変換係数						Wavelength resolution *1) 波長分解能	
	A_0	B_1	B_2	B_3	B_4	B_5	Standard for Shipment 出荷基準 [nm]	Result 測定値 [nm]
25K02446	3.054962102E+02	2.710694189E+00	-1.152950208E-03	-7.61645622E-06	8.616407354E-09	6.610371010E-12	15	9.4
25K02447	3.055554526E+02	2.709368351E+00	-1.264849359E-03	-6.271151494E-06	2.726133064E-09	1.540807617E-11		10.0
25K02448	3.058187627E+02	2.699651274E+00	-1.063270709E-03	-7.947298161E-06	9.237144235E-09	5.900463236E-12		9.8
25K02449	3.129573792E+02	2.708680976E+00	-1.299670807E-03	-6.148734582E-06	2.112089689E-09	1.679793818E-11		9.5
25K02450	3.072672861E+02	2.703713096E+00	-1.042917756E-03	-8.441576745E-06	1.116815549E-08	3.752830022E-12		9.3
25K02451	2.996976547E+02	2.708251061E+00	-1.075223771E-03	-8.230479837E-06	1.104872549E-08	2.994965483E-12		9.4
25K02452	3.078773054E+02	2.700015855E+00	-1.156564631E-03	-6.795321154E-06	3.725902742E-09	1.478787545E-11		9.5
25K02453	3.062364065E+02	2.711398493E+00	-1.330660243E-03	-5.556229932E-06	-1.764678206E-10	1.945147191E-11		9.6
25K02454	3.086431340E+02	2.697531215E+00	-1.161361888E-03	-6.853434769E-06	4.875564746E-09	1.188567921E-11		9.0
25K02455	3.113122332E+02	2.710662306E+00	-1.305503492E-03	-5.861813580E-06	7.575002719E-10	1.839163188E-11		9.5
25K02456	3.084114732E+02	2.706145875E+00	-1.300311128E-03	-5.727469572E-06	2.908979309E-10	1.887658939E-11		9.5
25K02457	3.115400206E+02	2.695256561E+00	-1.121308372E-03	-7.348613467E-06	6.603620721E-09	1.001346331E-11		9.3
25K02458	3.058355595E+02	2.709903471E+00	-1.376568255E-03	-4.734705973E-06	-3.830478807E-09	2.444134855E-11		9.4
25K02459	3.122256184E+02	2.715261667E+00	-1.443153540E-03	-4.746745688E-06	-2.977486960E-09	2.288428221E-11		9.1
25K02460	3.121162552E+02	2.708631310E+00	-1.383965385E-03	-5.124700635E-06	-1.640889777E-09	2.107576564E-11		9.3
25K02461	3.058341892E+02	2.713730567E+00	-1.397879922E-03	-4.991752337E-06	-1.681076582E-09	2.028406085E-11		9.1
25K02462	3.102591130E+02	2.705228248E+00	-1.228146920E-03	-6.268209073E-06	1.812881398E-09	1.742925862E-11		9.4
25K02463	3.157127708E+02	2.707857810E+00	-1.423316192E-03	-4.759654957E-06	-3.334115931E-09	2.392007597E-11		9.3
25K02464	3.100049637E+02	2.699135774E+00	-1.087430275E-03	-7.917778124E-06	9.198654116E-09	6.220201094E-12		10.0
25K02465	3.139483941E+02	2.709186703E+00	-1.381443694E-03	-5.248798766E-06	-1.330690518E-09	2.108471893E-11		9.3
25K02466	3.121545408E+02	2.698291194E+00	-1.272571371E-03	-5.721126902E-06	-1.711684423E-10	1.991089721E-11	9.1	

25K02467	3.060685831E+02	2.706730682E+00	-1.322463336E-03	-5.497733369E-06	-6.978350938E-11	1.834614130E-11
25K02468	3.099763272E+02	2.713978885E+00	-1.501399491E-03	-4.102574615E-06	-5.225546041E-09	2.558714918E-11
25K02469	3.055430479E+02	2.706245868E+00	-1.172483451E-03	-7.082261503E-06	6.085863106E-09	1.029287787E-11
25K02470	3.070089362E+02	2.703150944E+00	-1.176561051E-03	-6.963666198E-06	5.347046478E-09	1.157734625E-11
25K02471	3.126512456E+02	2.698651069E+00	-1.161417547E-03	-7.173797619E-06	6.352712600E-09	1.003297735E-11
25K02472	3.089364862E+02	2.711259459E+00	-1.314977205E-03	-5.782159175E-06	8.244835962E-10	1.776110895E-11
25K02473	3.089144432E+02	2.710897957E+00	-1.426885381E-03	-4.617519228E-06	-3.584242163E-09	2.351554815E-11
25K02474	3.077017765E+02	2.710408750E+00	-1.362574789E-03	-5.535678021E-06	4.688667057E-10	1.778260484E-11
25K02475	3.077691995E+02	2.710084730E+00	-1.254411881E-03	-6.419322118E-06	3.532153595E-09	1.390823806E-11
25K02476	3.135106836E+02	2.707826579E+00	-1.324218802E-03	-5.776469321E-06	1.190105101E-09	1.676147280E-11
25K02477	3.068740765E+02	2.702956954E+00	-1.095560773E-03	-8.006603130E-06	1.026722699E-08	3.790445086E-12
25K02478	3.067389025E+02	2.704879816E+00	-1.167145611E-03	-6.938595353E-06	5.129041784E-09	1.184444552E-11
25K02479	3.129720585E+02	2.703462234E+00	-1.236247989E-03	-6.457626268E-06	3.420481173E-09	1.426718338E-11
25K02480	3.090577948E+02	2.704672821E+00	-1.161410188E-03	-7.178915787E-06	6.176974489E-09	1.049545947E-11
25K02481	3.064901095E+02	2.705716747E+00	-1.189994006E-03	-7.020440248E-06	5.906909821E-09	1.072138045E-11
25K02482	3.071559739E+02	2.712029965E+00	-1.266028676E-03	-6.425595770E-06	3.528608789E-09	1.414274270E-11
25K02483	3.092721814E+02	2.702671841E+00	-1.187459620E-03	-6.713075135E-06	3.833778157E-09	1.424452574E-11
25K02484	3.091932044E+02	2.712218236E+00	-1.289047648E-03	-6.412100011E-06	3.936584673E-09	1.312983791E-11
25K02485	3.147982788E+02	2.706477852E+00	-1.415016437E-03	-4.598023817E-06	-4.007718070E-09	2.438671485E-11
25K02486	3.106497575E+02	2.698626646E+00	-1.244104808E-03	-6.062450695E-06	1.502940590E-09	1.712133030E-11
25K02487	3.084979455E+02	2.711536902E+00	-1.299048515E-03	-6.261288628E-06	3.687281442E-09	1.277008443E-11
25K02488	3.122786903E+02	2.704009146E+00	-1.238017532E-03	-6.729327473E-06	5.153399728E-09	1.121285309E-11
25K02489	3.145947038E+02	2.703626157E+00	-1.353668503E-03	-5.116853139E-06	-2.502841378E-09	2.327634794E-11
25K02490	3.138320966E+02	2.680835556E+00	-9.450782525E-04	-8.576014624E-06	1.091114856E-08	4.181956812E-12
25K02491	3.075630434E+02	2.700164149E+00	-1.090725382E-03	-7.890601505E-06	9.200094378E-09	6.189499025E-12
25K02492	3.111012560E+02	2.704282438E+00	-1.252878680E-03	-6.198394016E-06	1.969916818E-09	1.670224300E-11
25K02493	3.181097348E+02	2.699488406E+00	-1.297106267E-03	-5.814898547E-06	7.150311142E-10	1.814395824E-11
25K02494	3.097745543E+02	2.705188484E+00	-1.271720485E-03	-6.181195296E-06	2.638373252E-09	1.496444248E-11
25K02495	3.047881506E+02	2.712881859E+00	-1.310224099E-03	-5.793637877E-06	1.017735083E-09	1.723056730E-11
25K02497	3.046813303E+02	2.704312380E+00	-1.182449165E-03	-6.911418213E-06	5.540129082E-09	1.061058481E-11
25K02498	3.087684507E+02	2.707846006E+00	-1.294568950E-03	-6.011247654E-06	1.935639155E-09	1.597159162E-11
25K02499	3.122626115E+02	2.709289578E+00	-1.407816745E-03	-4.840046919E-06	-2.802576630E-09	2.268720590E-11
25K02500	3.106482055E+02	2.680713611E+00	-9.325197541E-04	-8.554749859E-06	1.075127146E-08	4.200661199E-12
25K02501	3.145763957E+02	2.702024425E+00	-1.238352542E-03	-6.411840095E-06	2.997986713E-09	1.519249300E-11
25K02502	3.077983162E+02	2.696692836E+00	-1.089703007E-03	-7.602004363E-06	7.621226719E-09	8.498646580E-12
25K02503	3.098896146E+02	2.697881020E+00	-1.149598366E-03	-7.257231680E-06	6.883268806E-09	8.941895153E-12

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25K02504	3.110814316E+02	2.697761883E+00	-1.193591167E-03	-6.694816518E-06	4.181012326E-09	1.328848762E-11
25K02505	3.131517939E+02	2.698624818E+00	-1.194301847E-03	-6.531610740E-06	2.833652003E-09	1.601919729E-11
25K02506	3.110009083E+02	2.691420332E+00	-1.157333087E-03	-6.817924382E-06	4.624421566E-09	1.234842499E-11
25K02507	3.137131520E+02	2.694403714E+00	-1.118783955E-03	-7.326410832E-06	6.352434269E-09	1.056388007E-11
25K02508	3.115978598E+02	2.701218028E+00	-1.221571698E-03	-6.500715755E-06	3.687679707E-09	1.346282508E-11
25K02509	3.058613781E+02	2.705692124E+00	-1.159402958E-03	-7.302266526E-06	7.180115092E-09	8.426174037E-12
25K02510	3.139211100E+02	2.706207338E+00	-1.385337874E-03	-5.125201507E-06	-1.373311985E-09	2.039189297E-11
25K02511	3.026770386E+02	2.695043490E+00	-1.096920193E-03	-7.135700424E-06	5.488019085E-09	1.140380674E-11
25K02512	3.145030939E+02	2.708930509E+00	-1.414312853E-03	-4.721498706E-06	-3.877853199E-09	2.501811424E-11
25K02513	3.085337321E+02	2.708295325E+00	-1.273081438E-03	-6.015461768E-06	1.414759987E-09	1.731417569E-11
25K02514	3.134297467E+02	2.712038574E+00	-1.341860512E-03	-5.626822411E-06	4.019006140E-11	1.930973087E-11
25K02515	3.078154769E+02	2.695645769E+00	-1.089414976E-03	-7.415084687E-06	6.473602474E-09	1.047670480E-11
25K02516	3.073362366E+02	2.706709220E+00	-1.168470181E-03	-7.037804000E-06	5.353150086E-09	1.184487575E-11
25K02517	3.103500683E+02	2.710564739E+00	-1.293496291E-03	-5.984522813E-06	1.861226941E-09	1.589120062E-11
25K02518	3.085680276E+02	2.704435029E+00	-1.173778088E-03	-7.111717964E-06	6.077968058E-09	1.055731816E-11
25K02519	3.092741258E+02	2.714828277E+00	-1.364223657E-03	-5.388456977E-06	-6.113350896E-10	1.957754600E-11
25K02520	3.081031863E+02	2.708115623E+00	-1.215229331E-03	-6.889268386E-06	5.583561034E-09	1.080350819E-11
25K02521	3.050154448E+02	2.705912419E+00	-1.204844558E-03	-6.714678118E-06	4.761799196E-09	1.170395092E-11
25K02522	3.121754573E+02	2.705746423E+00	-1.247104056E-03	-6.544060459E-06	3.857721072E-09	1.382029003E-11
25K02523	3.122121740E+02	2.702863302E+00	-1.258723852E-03	-5.991651019E-06	1.238510892E-09	1.729431121E-11
25K02524	3.136992836E+02	2.706704423E+00	-1.256104283E-03	-6.407758962E-06	3.281653751E-09	1.447945477E-11
25K02525	3.092857652E+02	2.704523295E+00	-1.344215260E-03	-4.968668039E-06	-3.091263337E-09	2.351520292E-11
25K02526	3.135662326E+02	2.712597599E+00	-1.390798532E-03	-5.331193978E-06	-3.608317686E-10	1.887638531E-11
25K02527	3.119133310E+02	2.713324572E+00	-1.426796226E-03	-4.988044824E-06	-1.418627244E-09	1.993907535E-11
25K02528	3.105559937E+02	2.696234333E+00	-1.113631167E-03	-7.457855638E-06	7.107172454E-09	9.316221040E-12
25K02529	3.057842524E+02	2.695722960E+00	-1.044784556E-03	-7.993102086E-06	9.135250580E-09	6.352088331E-12
25K02531	3.051350825E+02	2.706755312E+00	-1.196006628E-03	-6.883223256E-06	5.605729153E-09	1.038392045E-11
25K02532	3.076912578E+02	2.701604245E+00	-1.115106245E-03	-7.388538348E-06	6.911440985E-09	9.052705005E-12
25K02533	3.140555597E+02	2.704172446E+00	-1.358039735E-03	-5.147072519E-06	-2.044748078E-09	2.215974588E-11
25K02534	3.057188295E+02	2.698181319E+00	-1.003619652E-03	-8.725217171E-06	1.257809135E-08	1.190085978E-12
25K02535	3.113742700E+02	2.699811640E+00	-1.155694675E-03	-7.101718209E-06	5.796601842E-09	1.080020109E-11
25K02536	3.098061712E+02	2.701425002E+00	-1.191368316E-03	-6.756070833E-06	4.647857189E-09	1.223452246E-11
25K02537	3.072736178E+02	2.704733083E+00	-1.253417469E-03	-6.193242334E-06	2.725273772E-09	1.438832191E-11
25K02538	3.089031035E+02	2.686692455E+00	-9.735932575E-04	-8.145974558E-06	8.578600117E-09	8.233477958E-12
25K02539	3.059499090E+02	2.696805395E+00	-1.064694699E-03	-7.796216817E-06	8.463084095E-09	7.066771872E-12
25K02540	3.138004032E+02	2.709961452E+00	-1.405806201E-03	-5.039374033E-06	-1.757614102E-09	2.096250925E-11

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25K02541	3.130101195E+02	2.707648852E+00	-1.405976068E-03	-4.619444705E-06	-4.285327484E-09	2.521855558E-11
25K02542	3.096390124E+02	2.723409746E+00	-1.582140463E-03	-3.539409352E-06	-7.303742308E-09	2.835103223E-11
25K02543	3.095014628E+02	2.714450643E+00	-1.503251834E-03	-3.754980706E-06	-7.593590763E-09	2.992240265E-11
25K02544	3.080099214E+02	2.719013105E+00	-1.451116515E-03	-4.740945531E-06	-2.942521405E-09	2.298812791E-11
25M00049	3.041452390E+02	2.683268434E+00	-7.901102101E-04	-9.975120964E-06	1.621769808E-08	-3.001528086E-12
25M00050	3.050436835E+02	2.706260760E+00	-1.193282479E-03	-6.942290034E-06	5.934687919E-09	9.835041815E-12
25M00051	3.103102536E+02	2.692115702E+00	-1.095764995E-03	-7.674213162E-06	8.528812211E-09	6.505888091E-12
25M00052	3.081619928E+02	2.712706418E+00	-1.376821172E-03	-5.012587583E-06	-2.831967309E-09	2.362136681E-11
25M00053	3.077774014E+02	2.706631027E+00	-1.200566131E-03	-6.818194961E-06	5.101011901E-09	1.136782031E-11
25M00054	3.101818639E+02	2.679124742E+00	-8.678603376E-04	-9.355009760E-06	1.373663527E-08	8.201167499E-13
25M00055	3.051095821E+02	2.696242036E+00	-1.035489557E-03	-7.970773469E-06	9.112710304E-09	6.002456227E-12
25M00056	3.125934998E+02	2.687815154E+00	-1.013387096E-03	-8.314639168E-06	1.065937581E-08	3.819425320E-12
25M00057	3.102099255E+02	2.688934485E+00	-9.847269043E-04	-8.355933833E-06	1.034862863E-08	4.610526876E-12
25M00058	3.084808169E+02	2.691833403E+00	-9.833837872E-04	-8.394573267E-06	1.023858409E-08	5.199314136E-12
25M00059	3.064766958E+02	2.689088884E+00	-9.056119051E-04	-9.223219488E-06	1.409033496E-08	-9.255208463E-13
25M00060	3.047406655E+02	2.667779695E+00	-5.878602658E-04	-1.150775260E-05	2.173990951E-08	-1.036937178E-11
25M00061	3.030940402E+02	2.676848193E+00	-7.661658897E-04	-1.000029941E-05	1.668917832E-08	-4.601178499E-12
25M00062	3.075116332E+02	2.686668622E+00	-8.378117537E-04	-9.782745534E-06	1.574921292E-08	-2.356782112E-12
25M00063	3.047158628E+02	2.680426898E+00	-6.433192366E-04	-1.149805509E-05	2.253289055E-08	-1.226498021E-11
25M00064	3.093211519E+02	2.709888013E+00	-1.230671261E-03	-6.713834708E-06	4.933292981E-09	1.147495415E-11
25M00065	3.090470581E+02	2.711626480E+00	-1.404528327E-03	-4.794381259E-06	-3.218755031E-09	2.351843680E-11
25M00066	3.054650906E+02	2.704779746E+00	-1.170012027E-03	-7.224746876E-06	7.290507359E-09	7.598390583E-12
25M00067	3.050204526E+02	2.701920300E+00	-1.063487624E-03	-8.215104483E-06	1.090478081E-08	3.059898747E-12
25M00068	3.103234436E+02	2.708991390E+00	-1.294125917E-03	-6.045706107E-06	2.266153809E-09	1.519158531E-11
25M00069	3.125866143E+02	2.700283597E+00	-1.149361185E-03	-7.445852113E-06	7.703885409E-09	7.820150887E-12
25M00070	3.077589970E+02	2.698570993E+00	-1.014711477E-03	-8.664672933E-06	1.260434885E-08	7.390721238E-13
25M00071	3.093837820E+02	2.710382507E+00	-1.253193313E-03	-6.518295010E-06	4.318718768E-09	1.209838527E-11
25M00072	3.100345060E+02	2.706965209E+00	-1.173539451E-03	-7.459004945E-06	8.408759720E-09	6.098683384E-12
25M00073	3.067936833E+02	2.700181957E+00	-1.064975453E-03	-8.008655246E-06	9.751822277E-09	4.924553224E-12
25M00074	3.060245935E+02	2.699944299E+00	-1.093157238E-03	-7.469207484E-06	6.990613915E-09	9.287072505E-12
25M00075	3.174702866E+02	2.694855800E+00	-1.148882051E-03	-7.331230510E-06	6.979772448E-09	9.221704424E-12
25M00076	3.078052551E+02	2.680503149E+00	-9.298227608E-04	-8.273860618E-06	9.324641790E-09	6.280317574E-12
25M00077	3.105092151E+02	2.698372515E+00	-1.124953876E-03	-7.261938305E-06	5.873654146E-09	1.156172537E-11
25M00078	3.140022456E+02	2.702254051E+00	-1.245076507E-03	-6.135689136E-06	1.536658620E-09	1.736975676E-11
25M00079	3.177459007E+02	2.687808321E+00	-1.172996673E-03	-6.711092211E-06	3.966952714E-09	1.391327213E-11
25M00080	3.193789304E+02	2.693597778E+00	-1.189771557E-03	-6.704721958E-06	3.881382685E-09	1.412448868E-11

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25M00081	3.079519666E+02	2.683681912E+00	-9.586522842E-04	-8.381025876E-06	1.031632709E-08	4.773901588E-12
25M00082	3.083871443E+02	2.694771178E+00	-1.094660705E-03	-7.449670856E-06	7.214035908E-09	8.491884538E-12
25M00083	3.123501714E+02	2.695350659E+00	-1.129276842E-03	-7.060904732E-06	5.125377649E-09	1.221809546E-11
25M00084	3.009582070E+02	2.700090923E+00	-1.054042690E-03	-7.981629142E-06	9.775168620E-09	4.527876040E-12
25M00085	3.059194723E+02	2.692681881E+00	-9.952475046E-04	-8.650384836E-06	1.247929927E-08	8.613606308E-13
25M00086	3.160386653E+02	2.694828595E+00	-1.192618863E-03	-6.673028478E-06	4.119785798E-09	1.316697190E-11
25M00087	3.057448065E+02	2.691564206E+00	-1.011455470E-03	-8.142511915E-06	9.948593770E-09	4.632938966E-12
25M00088	3.119071420E+02	2.698222175E+00	-1.174359526E-03	-6.965799665E-06	5.527184943E-09	1.105555883E-11
25M00089	3.109853674E+02	2.672343028E+00	-7.229871760E-04	-1.087318882E-05	2.048240578E-08	-9.590069367E-12
25M00090	3.123086896E+02	2.691299599E+00	-1.048836839E-03	-7.919847831E-06	8.774716362E-09	6.949908874E-12
25M00091	3.087013555E+02	2.693829524E+00	-1.059537296E-03	-8.098812140E-06	1.005317757E-08	4.733440633E-12
25M00092	3.076416279E+02	2.690230418E+00	-9.585430469E-04	-8.642620069E-06	1.158678881E-08	2.862787332E-12
25M00093	3.077166955E+02	2.685142493E+00	-1.018257492E-03	-7.736484481E-06	7.547502819E-09	8.707964156E-12
25M00094	3.124138710E+02	2.699811875E+00	-1.224788746E-03	-6.509040428E-06	3.846858644E-09	1.321642415E-11
25M00095	3.157592293E+02	2.689581238E+00	-1.110417680E-03	-6.982930299E-06	4.029767742E-09	1.457071158E-11
25M00096	3.072648937E+02	2.679719281E+00	-7.791442047E-04	-1.015399105E-05	1.708326384E-08	-4.283505828E-12
25M00097	3.171432324E+02	2.681312072E+00	-9.532587309E-04	-8.883072623E-06	1.274143014E-08	1.290549019E-12
25M00098	3.084816910E+02	2.697711178E+00	-1.114976789E-03	-7.684358497E-06	8.747329996E-09	6.243804556E-12
25M00099	3.088775081E+02	2.695186333E+00	-1.078097726E-03	-7.705859806E-06	8.400260587E-09	6.777368634E-12
25M00100	3.126120690E+02	2.700008636E+00	-1.135976832E-03	-7.463861689E-06	7.595428588E-09	8.090973231E-12
25M00101	3.122415415E+02	2.691992404E+00	-1.051494096E-03	-7.941778230E-06	9.083610028E-09	6.209902807E-12
25M00102	3.150779347E+02	2.707512822E+00	-1.454824455E-03	-4.260818791E-06	-5.517587903E-09	2.699291936E-11
25M00103	3.060694146E+02	2.702241866E+00	-1.120308897E-03	-7.675728953E-06	8.713692624E-09	6.255764962E-12
25M00104	3.104017458E+02	2.703323745E+00	-1.165973950E-03	-7.249900736E-06	7.120112051E-09	8.207520289E-12
25M00105	3.018875539E+02	2.706556703E+00	-1.183360505E-03	-6.942017432E-06	6.039858238E-09	9.321534468E-12
25M00106	3.078058141E+02	2.698852289E+00	-9.539221627E-04	-9.240000171E-06	1.437807946E-08	-9.257389892E-13
25M00107	3.040523554E+02	2.705630220E+00	-1.133612240E-03	-7.714945313E-06	9.413523379E-09	4.620503271E-12
25M00108	3.056677734E+02	2.708358759E+00	-1.267572479E-03	-6.445926416E-06	4.590189570E-09	1.109173280E-11
25M00109	3.203084944E+02	2.701214433E+00	-1.256913153E-03	-6.720201165E-06	5.201013085E-09	1.121906608E-11
25M00110	3.138056614E+02	2.709077009E+00	-1.269816356E-03	-6.322485653E-06	3.182362017E-09	1.419636371E-11
25M00111	3.063664734E+02	2.699803347E+00	-1.082322793E-03	-7.768131704E-06	8.851665181E-09	5.923896139E-12
25M00112	3.163637817E+02	2.703980022E+00	-1.291406642E-03	-5.917526323E-06	1.375244519E-09	1.675933628E-11
25M00113	3.092405523E+02	2.719911026E+00	-1.375313523E-03	-5.714104617E-06	1.729476064E-09	1.528550908E-11
25M00114	3.077940693E+02	2.693615266E+00	-1.035279658E-03	-7.991196859E-06	9.013699326E-09	6.536709563E-12
25M00115	3.127744107E+02	2.710389287E+00	-1.274815355E-03	-6.408656998E-06	3.620743147E-09	1.373709304E-11
25M00116	3.076089771E+02	2.708829383E+00	-1.200131635E-03	-7.193161533E-06	7.420071717E-09	7.409079942E-12

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25M00117	3.128359523E+02	2.705175374E+00	-1.296652512E-03	-5.742061524E-06	3.204193379E-10	1.874764521E-11	9.3
25M00118	3.121313862E+02	2.704828520E+00	-1.148433020E-03	-7.413686810E-06	7.502130042E-09	8.029770468E-12	9.4
25M00119	3.046898051E+02	2.701397063E+00	-1.167252628E-03	-6.996534336E-06	5.853275123E-09	1.017797796E-11	9.4
25M00120	3.074828821E+02	2.703388601E+00	-1.177627165E-03	-6.817996868E-06	4.563259953E-09	1.262655429E-11	9.4
25M00121	3.121303638E+02	2.705540901E+00	-1.197205747E-03	-6.932949038E-06	5.209675804E-09	1.202818178E-11	9.7
25M00122	3.082618119E+02	2.712035167E+00	-1.320418675E-03	-5.824970860E-06	1.357433493E-09	1.660557446E-11	9.2
25M00123	3.102966877E+02	2.701622360E+00	-1.170047006E-03	-7.106671562E-06	6.080228025E-09	1.040370387E-11	9.8
25M00124	3.120893661E+02	2.708099577E+00	-1.254162714E-03	-6.483635822E-06	3.930715474E-09	1.302957665E-11	9.3
25M00125	3.160175288E+02	2.698858295E+00	-1.252075465E-03	-6.030296689E-06	1.640417483E-09	1.614784419E-11	9.6
25M00126	3.063012119E+02	2.702202491E+00	-1.177013742E-03	-6.803060114E-06	4.877599520E-09	1.161547372E-11	9.4
25M00127	3.031497260E+02	2.711894114E+00	-1.244659080E-03	-6.486168135E-06	4.115493916E-09	1.234724058E-11	9.1
25M00128	3.067127438E+02	2.707135467E+00	-1.175370771E-03	-7.407534685E-06	7.936315597E-09	7.308744472E-12	9.5
25M00129	3.058511464E+02	2.706569554E+00	-1.218828774E-03	-6.703632913E-06	5.034145633E-09	1.099377325E-11	9.5
25M00130	3.071978305E+02	2.712520415E+00	-1.273532623E-03	-6.422969602E-06	4.278082620E-09	1.176782969E-11	9.2
25M00131	3.070196241E+02	2.706745077E+00	-1.180969389E-03	-7.042884496E-06	6.295321476E-09	9.093739976E-12	9.7
25M00132	3.051566712E+02	2.712491479E+00	-1.242184307E-03	-6.593397343E-06	4.475902297E-09	1.207652398E-11	9.4
25M00133	3.101736737E+02	2.706627501E+00	-1.204874081E-03	-7.081010025E-06	6.845318066E-09	8.242976877E-12	9.3
25M00134	3.126037745E+02	2.701930356E+00	-1.258091962E-03	-6.446729941E-06	4.174462840E-09	1.225771445E-11	9.3
25M00135	3.127576479E+02	2.707112086E+00	-1.253022127E-03	-6.632114830E-06	4.876081409E-09	1.136916693E-11	9.4
25M00136	3.127951056E+02	2.699903451E+00	-1.109953936E-03	-8.032565454E-06	1.049720633E-08	3.481300803E-12	9.9
25M00137	3.051613119E+02	2.709667023E+00	-1.224851972E-03	-6.682411172E-06	4.587975753E-09	1.232858273E-11	9.6
25M00138	3.139244473E+02	2.706839535E+00	-1.302989008E-03	-6.101297513E-06	2.587994370E-09	1.486389619E-11	9.5
25M00139	3.093325186E+02	2.713561486E+00	-1.252038650E-03	-6.679158703E-06	4.709150602E-09	1.221319823E-11	9.4
25M00140	3.103671146E+02	2.707983286E+00	-1.228297401E-03	-6.748598275E-06	5.043404426E-09	1.151498553E-11	9.9
25M00141	3.152600195E+02	2.706365140E+00	-1.214328435E-03	-7.182029877E-06	7.567245196E-09	7.036921744E-12	9.3
25M00142	3.141945016E+02	2.690546072E+00	-1.094694292E-03	-7.417093237E-06	6.270218634E-09	1.137418240E-11	9.7
25M00143	3.103641713E+02	2.706140250E+00	-1.226314769E-03	-6.542397114E-06	3.930443701E-09	1.308447860E-11	9.7
25M00144	3.186109450E+02	2.703927374E+00	-1.257430288E-03	-6.873265851E-06	6.187904743E-09	9.494395454E-12	9.4
25M00145	3.139743382E+02	2.694486596E+00	-1.011941209E-03	-8.799782193E-06	1.337725119E-08	-6.093108317E-13	9.4
25M00146	3.200159921E+02	2.711342045E+00	-1.421555630E-03	-5.086382345E-06	-1.552590487E-09	2.089394696E-11	9.7
25M00147	3.185657662E+02	2.705044595E+00	-1.318134040E-03	-5.790365950E-06	1.082425491E-09	1.713346599E-11	9.8
25M00148	3.134806431E+02	2.706444052E+00	-1.281549342E-03	-6.026795099E-06	1.744072831E-09	1.639977301E-11	9.4
25M00149	3.065878861E+02	2.685399343E+00	-9.413982346E-04	-8.529077601E-06	1.068499778E-08	4.588595857E-12	9.4
25M00150	3.143256104E+02	2.706692849E+00	-1.291730914E-03	-5.796767741E-06	7.239918061E-11	1.972112640E-11	9.4
25M00151	3.074974762E+02	2.703561746E+00	-1.174395676E-03	-7.157427247E-06	6.554578079E-09	9.528112021E-12	9.5