

List of the absorption lines of helium, He I [$1s^2\ ^1S \rightarrow 1snp\ ^1P^\circ$]. Values in *italic* comes from Ref. 2.

Wavelength Å	Wavenumber cm ⁻¹	n*	$np\ ^1P^\circ$
<i>584.3340</i>	<i>171135.00</i>	<i>2.0935</i>	2
<i>537.0296</i>	<i>186209.47</i>	<i>3.0114</i>	3
522.2130	191492.75	4.01161	4
515.6163	193942.67	5.01190	5
512.0979	195275.16	6.01210	6
509.9978	196079.28	7.01213	7
508.6431	196601.51	8.0121	8
507.7179	196959.77	9.0120	9
507.0579	197216.15	10.0120	10
506.5703	197405.95	11.0121	11
506.2000	197550.37	12.0124	12
505.9123	197662.72	13.0122	13
505.6840	197751.96	14.0126	14
505.5003	197823.84	15.0114	15
505.3499	197882.70	16.0100	16
505.2251	197931.59	17.011	17
505.1205	197972.54	18.012	18
505.0320	198007.24	19.013	19
504.9568	198036.75	20.011	20
504.8919	198062.19	21.010	21
504.8355	198084.34	22.014	22
504.7865	198103.56	23.012	23
504.7435	198120.41	24.009	24
504.7054	198135.40	25.014	25
504.6716	198148.65	26.016	26
504.6418	198160.37	27.012	27
504.6151	198170.86	28.006	28
504.5908	198180.38	29.011	29
504.5689	198188.99	30.019	30
504.5493	198196.69	31.015	31
504.5316	198203.66	32.01	32
504.5152	198210.07	33.01	33
504.5004	198215.91	34.01	34
504.4870	198221.17	35.00	35
504.4744	198226.12	36.01	36
504.4626	198230.77	37.04	37
504.4523	198234.78	38.00	38
504.4426	198238.61	39.00	39
504.4333	198242.25	40.02	40

Wavelength Å	Wavenumber cm ⁻¹	n*	np ³ P°
504.4248	198245.59	41.03	41
504.4174	198248.50	41.98	42
504.4101	198251.36	42.98	43
504.4031	198254.13	44.02	44
504.3972	198256.43	44.94	45
504.3910	198258.87	45.99	46
504.3863	198260.75	46.84	47
504.3806	198262.96	47.92	48
504.3755	198264.98	48.96	49
504.3701	198267.09	50.13	50

References:

1. *The 1s² ¹S₀ – 1snp ¹P₁^o Series of the Helium Spectrum*, K. Ito, K. Yoshino, Y. Morioka and T. Namioka, *Physica Scripta* **36**, 88-92 (1987).
2. *Energy levels of neutral helium (⁴He I)*, W.C. Martin, *J. Phys. Chem. Ref. Data* **2**, 257-261 (1973).