

Units commissioned:Tai'an Detu Automation Instrument Co.,Ltd

Equipment Name:Temperature and humidity standard chamber

Equipment Number:DWS I -2031

Tester:

Environmental indicators:

Nominal value:23°C, 25%RH

Data record sheets(%RH)

Time	Indicating value %RH	Humi %RH								
		1	2	3	4	5	6	7		
13:41:15	---	25.14	25.04	25.25	25.26	25.08	24.69	24.76	25.5	
13:43:17	---	25.22	25.16	25.36	25.37	25.18	24.76	24.83	25.6	
13:45:20	---	25.22	25.18	25.36	25.37	25.13	24.76	24.83	25.6	
13:47:15	---	25.17	25.09	25.25	25.26	25.03	24.69	24.76	25.4	
13:49:18	---	25.11	25.07	25.2	25.21	25.03	24.71	24.74	25.4	
13:51:20	---	25.01	24.95	25.09	25.1	24.9	24.66	24.69	25.4	
13:53:16	---	24.82	24.84	24.98	24.95	24.77	24.62	24.6	25.3	
13:55:18	---	24.72	24.75	24.9	24.87	24.69	24.57	24.55	25.2	
13:57:14	---	24.53	24.68	24.71	24.66	24.54	24.59	24.48	25.2	
13:59:17	---	24.66	24.75	24.82	24.74	24.64	24.64	24.57	25.2	
14:01:19	---	24.98	25.04	25.09	25.1	24.95	24.78	24.76	25.5	
14:03:15	---	25.09	25.11	25.25	25.21	25	24.74	24.74	25.4	
14:05:17	---	25.01	25.04	25.2	25.16	24.98	24.71	24.71	25.4	
14:07:20	---	24.87	24.93	25.04	25	24.82	24.69	24.64	25.3	
14:09:15	---	24.85	24.91	25.04	24.97	24.82	24.71	24.67	25.4	
14:11:18	---	24.85	24.95	24.98	24.95	24.85	24.73	24.69	25.4	
<b>Corrected</b>	---	<b>1.54</b>	<b>1.5</b>	<b>0.97</b>	<b>1.64</b>	<b>0.79</b>	<b>1.14</b>	<b>1.68</b>	<b>2.49</b>	
<b>Max</b>	---	<b>25.27</b>	<b>25.18</b>	<b>25.36</b>	<b>25.37</b>	<b>25.18</b>	<b>24.78</b>	<b>24.83</b>	<b>25.6</b>	
<b>Min</b>	---	<b>24.45</b>	<b>24.68</b>	<b>24.71</b>	<b>24.66</b>	<b>24.54</b>	<b>24.57</b>	<b>24.48</b>	<b>25.2</b>	
<b>Average value</b>	---	<b>24.84</b>	<b>24.97</b>	<b>25.10</b>	<b>25.07</b>	<b>24.90</b>	<b>24.69</b>	<b>24.69</b>	<b>25.4</b>	

Result:

Uniformity:0.67;

Fluctuation:±0.35;

Rate of change:0.74

Date: May 16,2022

Units commissioned:Tai'an Detu Automation Instrument Co.,Ltd

Equipment Name:Temperature and humidity standard chamber

Equipment Number:DWS I -2031

Tester:

Environmental indicators:

Nominal value: 23°C , 40%RH

Data record sheets(%RH)

Time	Indicating value %RH	Humi %RH								
		1	2	3	4	5	6	7		
14:33:52	---	39.86	40.05	40.17	39.97	39.77	39.72	39.62	40.6	
14:35:54	---	39.92	40.05	40.23	39.97	39.77	39.77	39.65	40.7	
14:37:57	---	39.89	40.03	40.23	40.03	39.8	39.74	39.62	40.7	
14:39:53	---	39.92	40.08	40.23	40.03	39.8	39.77	39.62	40.7	
14:41:55	---	39.95	40.03	40.23	40.03	39.74	39.72	39.62	40.6	
14:43:51	---	39.92	40.08	40.23	40.03	39.8	39.72	39.62	40.7	
14:45:53	---	39.95	40.1	40.28	40.03	39.8	39.8	39.65	40.7	
14:47:56	---	39.86	39.95	40.17	39.94	39.74	39.72	39.6	40.6	
14:49:52	---	39.92	40.03	40.2	40.03	39.74	39.72	39.6	40.6	
14:51:55	---	39.86	40.05	40.2	39.97	39.74	39.74	39.62	40.7	
14:53:57	---	39.92	40	40.23	40.03	39.8	39.74	39.65	40.7	
14:55:53	---	39.89	40.08	40.23	40.03	39.8	39.77	39.65	40.7	
14:57:55	---	39.95	40.03	40.23	40	39.8	39.74	39.6	40.7	
14:59:51	---	39.86	40.08	40.23	40	39.8	39.77	39.65	40.7	
15:01:54	---	39.95	40.13	40.31	40.11	39.85	39.8	39.7	40.7	
15:03:56	---	39.95	40.05	40.23	40.03	39.8	39.77	39.65	40.7	
<b>Corrected</b>	---	<b>1.85</b>	<b>1.84</b>	<b>1.39</b>	<b>2.02</b>	<b>0.82</b>	<b>1.72</b>	<b>1.91</b>	<b>3.24</b>	
<b>Max</b>	---	<b>39.95</b>	<b>40.13</b>	<b>40.31</b>	<b>40.11</b>	<b>39.85</b>	<b>39.8</b>	<b>39.7</b>	<b>40.7</b>	
<b>Min</b>	---	<b>39.72</b>	<b>39.95</b>	<b>40.17</b>	<b>39.94</b>	<b>39.74</b>	<b>39.72</b>	<b>39.6</b>	<b>40.6</b>	
<b>Average value</b>	---	<b>39.86</b>	<b>40.05</b>	<b>40.23</b>	<b>40.01</b>	<b>39.78</b>	<b>39.75</b>	<b>39.63</b>	<b>40.6</b>	

Result:

Uniformity:0.84;

Fluctuation:±0.05;

Rate of change:0.23

Date: May 16,2022

Units commissioned:Tai'an Detu Automation Instrument Co.,Ltd

Equipment Name:Temperature and humidity standard chamber

Equipment Number:DWS I -2031

Tester:

Environmental indicators:

Nominal value:23°C, 60%RH

Data record sheets(%RH)

Time	Indicating value %RH	Humi %RH								
		1	2	3	4	5	6	7		
15:39:48	---	60.03	60.44	60.39	60.09	59.91	59.92	59.63	60.0	
15:41:44	---	60	60.44	60.33	60	59.91	59.98	59.66	60.0	
15:43:47	---	60.03	60.44	60.39	60.03	59.91	59.98	59.66	60.0	
15:45:43	---	60.03	60.52	60.51	60.15	60.03	59.98	59.71	60.1	
15:47:45	---	59.97	60.47	60.33	60.03	59.94	60.03	59.71	60.1	
15:49:48	---	59.94	60.31	60.21	59.94	59.8	59.87	59.58	60.0	
15:51:44	---	60.09	60.42	60.36	60	59.91	59.92	59.66	60.0	
15:53:47	---	60.12	60.49	60.45	60.12	60	59.98	59.66	60.0	
15:55:42	---	60.03	60.44	60.33	60.06	59.91	59.98	59.66	60.0	
15:57:45	---	59.97	60.44	60.36	60.03	59.91	59.98	59.63	60.0	
15:59:48	---	60.09	60.47	60.39	60.09	59.94	59.98	59.69	60.0	
16:01:44	---	59.91	60.34	60.24	59.94	59.83	59.92	59.58	60.0	
16:03:46	---	59.97	60.39	60.33	59.97	59.86	59.92	59.63	60.0	
16:05:42	---	60.09	60.49	60.42	60.12	59.97	60.03	59.71	60.1	
16:07:45	---	60.12	60.52	60.39	60.09	59.97	60	59.68	60.1	
16:09:47	---	60.12	60.44	60.42	60.06	59.94	59.98	59.68	60.1	
<b>Corrected</b>	---	<b>2.03</b>	<b>1.98</b>	<b>1.63</b>	<b>2.48</b>	<b>0.74</b>	<b>2.72</b>	<b>2.14</b>	<b>3.14</b>	
<b>Max</b>	---	<b>60.12</b>	<b>60.52</b>	<b>60.51</b>	<b>60.15</b>	<b>60.03</b>	<b>60.03</b>	<b>59.71</b>	<b>60.1</b>	
<b>Min</b>	---	<b>59.7</b>	<b>60.31</b>	<b>60.21</b>	<b>59.94</b>	<b>59.8</b>	<b>59.87</b>	<b>59.58</b>	<b>60.0</b>	
<b>Average value</b>	---	<b>59.96</b>	<b>60.44</b>	<b>60.37</b>	<b>60.05</b>	<b>59.92</b>	<b>59.97</b>	<b>59.66</b>	<b>60.0</b>	

Result: Uniformity:0.50;

Fluctuation:±0.11;

Rate of change:0.42

Date: May 16,2022

Units commissioned:Tai'an Detu Automation Instrument Co.,Ltd

Equipment Name:Temperature and humidity standard chamber

Equipment Number:DWS I -2031

Tester:

Environmental indicators:

Nominal value:23°C, 80%RH

Data record sheets(%RH)

Time	Indicating value %RH	Humi %RH								
		1	2	3	4	5	6	7		
16:23:24	---	80.13	80.71	80.82	80.05	80.08	80	79.81	80.5	
16:25:20	---	79.92	80.61	80.66	79.87	79.93	80.03	79.7	80.4	
16:27:23	---	80.22	80.74	80.82	80.08	80.05	80.08	79.81	80.5	
16:29:19	---	79.92	80.58	80.69	79.93	79.93	80.03	79.7	80.4	
16:31:21	---	80.16	80.84	80.85	80.05	80.11	80.16	79.86	80.6	
16:33:24	---	80.1	80.77	80.88	80.11	80.11	80.14	79.86	80.6	
16:35:20	---	79.95	80.61	80.69	79.93	79.93	80.08	79.75	80.5	
16:37:22	---	80.01	80.66	80.76	79.99	79.99	80.08	79.78	80.5	
16:39:18	---	80.07	80.77	80.82	80.05	80.08	80.14	79.86	80.6	
16:41:21	---	79.98	80.71	80.79	80.02	80.05	80.14	79.86	80.6	
16:43:23	---	80.13	80.66	80.79	80.02	79.99	80.14	79.81	80.6	
16:45:20	---	80.07	80.74	80.85	80.05	80.05	80.14	79.86	80.6	
16:47:22	---	80.07	80.82	80.88	80.11	80.11	80.14	79.86	80.7	
16:49:18	---	80.13	80.82	80.85	80.14	80.11	80.19	79.92	80.7	
16:51:21	---	80.01	80.71	80.79	79.99	80.02	80.16	79.86	80.6	
16:53:23	---	80.07	80.79	80.82	80.05	80.08	80.19	79.86	80.7	
<b>Corrected</b>	---	<b>2.04</b>	<b>2.24</b>	<b>1.75</b>	<b>2.75</b>	<b>0.62</b>	<b>3.75</b>	<b>2.37</b>	<b>3.59</b>	
<b>Max</b>	---	<b>80.5</b>	<b>80.84</b>	<b>80.88</b>	<b>80.14</b>	<b>80.11</b>	<b>80.19</b>	<b>79.92</b>	<b>80.7</b>	
<b>Min</b>	---	<b>79.92</b>	<b>80.58</b>	<b>80.66</b>	<b>79.87</b>	<b>79.93</b>	<b>80</b>	<b>79.7</b>	<b>80.4</b>	
<b>Average value</b>	---	<b>80.20</b>	<b>80.72</b>	<b>80.80</b>	<b>80.03</b>	<b>80.04</b>	<b>80.12</b>	<b>79.82</b>	<b>80.6</b>	

**Result:**

**Uniformity:0.81;**

**Fluctuation:±0.15;**

**Rate of change:0.52**

**Date: May 16,2022**