

# ISO 4997:2025-04 (E)

## Cold-reduced carbon steel sheet of structural quality

<b>Contents</b>		<b>Page</b>
Foreword		iv
<b>1</b>	<b>Scope</b>	<b>1</b>
<b>2</b>	<b>Normative references</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions</b>	<b>1</b>
<b>4</b>	<b>Dimensions</b>	<b>2</b>
<b>5</b>	<b>Conditions of manufacture</b>	<b>2</b>
5.1	Steelmaking	2
5.2	Chemical composition	2
5.3	Chemical analysis	3
5.3.1	Heat analysis	3
5.3.2	Product analysis	3
5.4	Weldability	3
5.5	Application	4
5.6	Mechanical properties	4
5.7	Surface quality	4
5.7.1	General	4
5.7.2	Surface quality A (unexposed)	4
5.7.3	Surface quality B (exposed)	4
5.8	Surface finish	5
5.9	Suitability for surface coating	5
5.10	Oiling	5
<b>6</b>	<b>Dimensional and shape tolerances</b>	<b>5</b>
<b>7</b>	<b>Tensile-test sampling</b>	<b>5</b>
<b>8</b>	<b>Tensile test</b>	<b>5</b>
<b>9</b>	<b>Retests</b>	<b>6</b>
9.1	Machining and flaws	6
9.2	Elongation	6
9.3	Additional tests	6
<b>10</b>	<b>Resubmission</b>	<b>6</b>
<b>11</b>	<b>Workmanship</b>	<b>6</b>
<b>12</b>	<b>Inspection and acceptance</b>	<b>6</b>
<b>13</b>	<b>Coil size</b>	<b>7</b>
<b>14</b>	<b>Marking</b>	<b>7</b>
<b>15</b>	<b>Information to be supplied by the purchaser</b>	<b>7</b>
Bibliography		8