

U. S. Department of Commerce

# National Bureau of Standards

## Certificate of Analyses

### Standard Sample 131

### Low-Carbon Silicon Steel

ANALYST*	METHOD	CARBON
1	Combustion-gravimetric <sup>a</sup> .....	<i>Percent</i> 0.002 <sub>5</sub>
2	Combustion-gravimetric <sup>b</sup> .....	.002 <sub>8</sub>
3	Low-pressure combustion <sup>c</sup> .....	.002 <sub>6</sub>
4	Low pressure combustion.....	.002 <sub>7</sub>
5	Low-pressure combustion <sup>d</sup> .....	.002 <sub>8</sub>
6	Low-pressure combustion <sup>d</sup> .....	.002 <sub>9</sub>
7	Low-pressure combustion <sup>e</sup> .....	.003 <sub>0</sub>
8	Combustion-conductimetric.....	.002 <sub>7</sub>
9	Copper potassium chloride solution-combustion-gravimetric <sup>f</sup> .....	.003 <sub>0</sub>
	Average.....	0.002 <sub>8</sub>

<sup>a</sup> Five 2-g samples (10g) burned, and total CO<sub>2</sub> from 5 samples absorbed before weighing.

<sup>b</sup> As in (a), except five 2.73g samples (13.64g) burned.

<sup>c</sup> See Ind. Eng. Chem., Anal. Ed. **17**, 699 (1945).

<sup>d</sup> See Ind. Eng. Chem., Anal. Ed. **16**, 634 (1944).

<sup>e</sup> See Ind. Eng. Chem., Anal. Ed. **14**, 835 (1942).

<sup>f</sup> 27.5-g sample.

### List of Analysts

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The material for the preparation of this standard was furnished by the Armco Steel Corporation.

WASHINGTON, D. C., May 25, 1949.

E. U. CONDON, *Director*.