

THE JAPAN IRON AND STEEL FEDERATION
NIHONBASHI-KAYABACHO, CHUO-KU, TOKYO, JAPAN

日本鉄鋼認証標準物質分析成績表

JAPANESE IRON AND STEEL
CERTIFIED REFERENCE MATERIALS

CERTIFICATE OF ANALYSES

JSS 102-7

銃鉄シリーズ(PIG IRON SERIES)

製鋼用銃鉄1種1号(PIG IRON FOR STEEL MAKING)

分析結果 (Certificate of analyses)

[mass fraction %]

Element	C	Si	Mn	P	S	Ti	N	
Certified value	4.66	0.71	0.375	0.107	0.0181	0.0503	0.0051	
Uncertainty	0.03	0.01	0.004	0.003	0.0006	0.0009	0.0003	
Lab. No.	1	4.655	0.705	0.3680	0.1080	0.01770	0.05035	-----
	2	4.670	0.730	0.3745	0.0970	0.01860	0.05085	0.00515
	3	4.645	0.710	0.3810	0.1100	0.01840	0.04960	0.00520
	4	4.645	0.705	0.3795	0.1105	0.01780	0.05180	0.00465
	5	4.665	0.720	0.3725	0.1075	0.01685	0.04870	0.00510
	6	4.745	0.720	0.3725	0.1105	0.01700	0.05200	0.00455
	7	4.640	0.710	0.3700	0.1055	0.01820	0.05070	0.00545
	8	4.640	0.705	0.3770	0.1055	0.01840	0.04865	0.00490
	9	4.640	0.720	0.3805	0.1055	0.01910	0.05010	0.00510
	10	4.620	0.715	0.3720	0.1075	0.01895	0.04985	0.00540
Average	4.6565	0.7140	0.37475	0.10675	0.018100	0.050260	0.005056	
Standard deviation	σ_v	0.0186	0.0063	0.00136	0.00107	0.000362	0.000407	0.000141
	$\sigma_{\bar{x}}$	0.0342	0.0084	0.00454	0.00396	0.000759	0.001135	0.000307

σ_v :室内再現標準偏差 (intermediate measures of the precision standard deviation)

$\sigma_{\bar{x}}$:室間再現標準偏差 (reproducibility standard deviation)